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UNITED STATES DEPARTMENT OF AGRICULTURE
MISCELLANEOUS CIRCULAR No. 97

COOPERATION IN AGRICULTURE

A SELECTED AND ANNOTATED READING LIST

WITH SPECIAL REFERENCE TO
PURCHASING, MARKETING, AND CREDIT

INCLUDING ONLY WORKS PRINTED IN ENGLISH

Compiled by
CHASTINA GARDNER
Assistant in Market Information, Division of Cooperative Marketing
Bureau of Agricultural Economics

UNITED STATES
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WASHINGTON, D. C. MARCH, 1927

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Assistant in Market Information, Bureau of Agricultural Economics

ADAMS, ARTHUR BARTO. (Oklahoma City, Okla. *b.* 1887. Assistant professor of economics, University of Oklahoma, 1913–. Acting professor of history and economics, Central College, Fayette, Mo., 1912–13.)

MARKETING PERISHABLE FARM PRODUCTS. 180 p. New York, Columbia Univ. [etc.] 1916. (Studies in history, economics, and public law, v. 72, no. 3.)

This analysis is limited to the marketing of perishable farm products by the middleman system and shows how the system developed to meet the needs of the market. Several plans for more efficient methods are considered.

ADAMS, EDWARD FRANCIS. (San Francisco, Calif. *b.* 1839. Editorial writer, San Francisco Chronicle, on economic, financial, and agricultural topics. *Author:* Critique of socialism, 1905; Inhumanity of socialism, 1913.)

THE MODERN FARMER IN HIS BUSINESS RELATIONS. 662 p. San Francisco. N. J. Stone Co., 1899.

One section of this study, p. 203–284, is devoted to the subject "The farmer as a cooperator," while another section, p. 434–517, relates the early history and difficulties of "The cooperative fruit marketing societies of California." Valuable chiefly for its historical interest.

AGRICULTURAL CO-OPERATION . . . IN THE BRITISH EMPIRE. With an introduction by Sir Horace Plunkett. 254 p. London, George Routledge & Sons, Ltd., 1925.

Part I, edited by K. Walter for the Horace Plunkett Foundation, is a preliminary survey of agricultural cooperation in the British Empire, including the British Isles, Canada, Australia, New Zealand, South Africa, India, and the Crown colonies, showing what measures have been taken in every land. Part II is a report of the conference on the same subject held at Wembley, July 28–31, 1924.

AGRICULTURAL ORGANISATION SOCIETY.

REPORTS, 1902–1923. London, [etc.] The Stepney Press, [etc.] [1903–23].

The activities of the cooperative agricultural enterprises of England and Wales, including productive, purchasing, marketing, credit, and insurance societies, are summarized in these reports. The society, as such, was discontinued in 1924 and its functions were assumed by the National Farmers' Union.

AIKEN, DAVID WYATT. (*b.* 1823; *d.* 1887. Member from South Carolina, 45th to 49th Congresses; master, South Carolina State Grange, two years; member executive committee, National Grange, six years.)

THE GRANGE: ITS ORIGIN, PROGRESS, AND EDUCATIONAL PURPOSES. U. S. Dept. Agr. Spec. Rpt. 55, 18 p. 1883.

An address sketching the history of the order, outlining its lofty purposes, and explaining the significance of the various degrees.

[1] Supersedes Miscellaneous Circular No. 11.

AMERICAN BANKERS ASSOCIATION, STATE BANK DIVISION.
PRINCIPLES AND PROGRESS IN CO-OPERATIVE MARKETING OF FARM PRODUCTS. 32 p. [n. p.], 1924.
Twenty-two brief articles on important phases of the cooperative movement are presented, representing the individual opinions of the writers, many of whom are well known in public life.

AMERICAN COMMISSION TO INVESTIGATE AND STUDY AGRICULTURAL CREDIT AND COOPERATION.
AGRICULTURAL COOPERATION AND RURAL CREDIT IN EUROPE. [REPORT OF THE AMERICAN COMMISSION AND THE UNITED STATES COMMISSION.] U. S. Congress, 63d, 1st sess., Senate Doc. 214, 3 pts. 1913–14.
Part I. Information and evidence. The scope of the work of the American Commission and its plan of organization are outlined. A map shows the itineraries of the committees and subcommittees through Europe. The masses of evidence collected in each country at the "Juries of inquiry," at conferences, and in other ways, are so presented as to be available for ready reference. 916 p.
Part II. Bibliography. A list of the material collected by the American Commission, grouped by countries, under five general headings. 79 p.
Part III. American evidence. At the request of the American Commission the governor of each State appointed a committee of three to report on the agricultural needs of the State. The reports of these committees are here presented. 95 p.
AGRICULTURAL COOPERATION AND RURAL CREDIT IN EUROPE. REPORT OF THE AMERICAN COMMISSION. U. S. Congress, 63d, 2d sess., Senate Doc. 261, 2 v. 1914.
Part I. Observations. A report of the majority, summarizing the detailed report contained in Senate Doc. 214. 29 p.
Part II. Observations and recommendations. A report of the minority. 15 p.
SPECIAL REPORT OF NEW YORK STATE DELEGATES . . . Comp. by F. H. Allen and C. C. Mitchell. New York Dept. Agr. Bul. 56: 749–1048, illus. 1914.
The New York State delegates of the American Commission gave particular attention to marketing and distribution of farm products, in an effort to determine the applicability of European methods to New York's problems.

AMERICAN COOPERATIVE CONVENTION. *See* Cooperative League of U. S. A.

AMERICAN COTTON ASSOCIATION. COMMITTEE ON COOPERATIVE MARKETING.
REPORT OF THE COMMITTEE ON COOPERATIVE MARKETING. 80 p. [St. Matthews, S. C.] 1920.
The permanent committee on cooperative marketing reviews existing market conditions and suggests remedial steps, covering production, warehousing, and organization of marketing associations.

AMERICAN INSTITUTE OF COOPERATION.
AMERICAN COOPERATION. 2 v. 664 and 739 p. Washington, American Institute of Cooperation, 1925.
A collection of papers and discussions comprising the first summer session of the American Institute of Cooperation, held at the University of Pennsylvania, July 20 to August 15, 1925.
AMERICAN COOPERATION. 2 v. 653 and 719 p. Washington, American Institute of Cooperation, 1926.
A collection of papers and discussions comprising the second summer session of the American Institute of Cooperation, held at the University of Minnesota, June 21 to July 17, 1926.

ATKESON, THOMAS CLARK. (Washington, D. C. *b.* 1852. Washington representative of the National Grange 1919–1926; lawyer; professor of agriculture, West Virginia University, 1891–93; president, Barboursville College, 1892; master, West Virginia State Grange. *Author:* A catechism of agriculture, 1913; articles and bulletins.)
SEMI-CENTENNIAL HISTORY OF THE PATRONS OF HUSBANDRY. 364 p., illus. New York, Orange Judd Co., 1916.
A detailed history of the order from its inception, with an account of the principles for which it has stood, its achievements during the first 50 years, and the influence it is still exerting. Numerous excerpts from speeches, resolutions, and documents are included, also biographical sketches of the founders and some of the officers who helped to make the grange a factor in the life of the country. Many personal anecdotes add to the interest.

AUSTIN, CHARLES BURGESS, and WEHRWEIN, GEORGE S. (In 1913 Mr. Austin was head of the division of public welfare, department of extension, University of Texas; member of the American Commission to Study and Investigate Rural Credits and Cooperation. 1913. *Author:* Summary of labor laws in force, 1909; Studies of farm tenancy in Texas, 1915.)

CO-OPERATION IN AGRICULTURE, MARKETING, AND RURAL CREDIT. Univ. of Tex. Bul. 355, 100 p. 1914.

A comparison of conditions in European countries with those in the United States. The result of a marketing study is given by commodities. The final chapter deals with rural credit.

BALDERSTON, ROBERT WALTER. (Media, Pa. *b.* 1882. Secretary, Interstate Milk Producers' Association and of Philadelphia Dairy Council; farmer.)

MARKETING FLUID MILK IN PHILADELPHIA: AN EXPERIENCE IN SALES CO-OPERATION. Ann. Amer. Acad. Polit. and Social Sci. 117: 231–242. 1925.

How producers and distributors worked together to give Philadelphia good milk at moderate prices is related.

BALLANTINE, HENRY W. (Professor of law, University of Minnesota.)

CO-OPERATIVE MARKETING ASSOCIATIONS. Minn. Law Rev. 8: 1–27. 1923.

A discussion of some of the outstanding problems that arise in connection with organization and operation of cooperative associations.

BALMACEDA, JULIAN C. (Manila, P. I. Assistant chief, rural credits division, Department of Agriculture and Natural Resources, Philippine government.)

AGRICULTURAL CREDIT COOPERATIVE ASSOCIATIONS IN THE PHILIPPINES. Philippine Bur. Agr. Bul. 40, 74 p., illus. 1924.

Since its beginning in 1916 the rural credits movement in the Philippines has made good progress. The history, development, and existing status of the societies are outlined and the laws on the subject are quoted in full.

BARRETT, CHARLES SIMON. (Union City, Ga. *b.* 1866. President. National Farmers' Educational and Cooperative Union since 1906; appointed by President Wilson on Commission of Industrial Relations; representative of Farmers' Union at Peace Conference in Paris, 1919; delegate to International Institute of Agriculture, Rome. *Editor:* National Field.)

THE MISSION, HISTORY, AND TIMES OF THE FARMERS' UNION. 419 p., illus. Nashville, Tenn., Marshall & Bruce Co., 1909.

Mr. Barrett reviews the conditions which led to the formation of the organization, sets forth its purposes and aims, and outlines its history and growth in the various States. Many pages are given to biographical sketches of individuals who have been prominent in the upbuilding of the Farmers' Union.

BASSETT, CHARLES ELISHA. (Fennville, Mich. *b.* 1864. Director of field organization, North American Fruit Exchange, 1919–24; specialist in cooperative organization, U. S. Department of Agriculture, 1914–1919.)

THE COOPERATIVE PURCHASE OF FARM SUPPLIES. U. S. Dept. Agr. Yearbook 1915: 73–82, illus. 1916.

The objects of cooperative purchasing, the form of organization for a purchasing association, and the manner of transacting business are discussed briefly. Cooperative stores are given separate consideration.

BASSETT, CHARLES ELISHA, and JESNESS, OSCAR BERNARD.

COOPERATIVE MARKETING—WHERE? WHEN? HOW? U. S. Dept. Agr. Yearbook 1917: 385–393. 1918.

As indicated by the title, this article is a guide for those who are considering the organization of a marketing association.

BASSETT, CHARLES ELISHA, MOOMAW, CLARENCE WILKES, and KERR, WILLIAM HORACE. *See also* Kerr, William Horace.

COOPERATIVE MARKETING, AND FINANCING OF MARKETING ASSOCIATIONS. U. S. Dept. Agr. Yearbook 1914, p. 185–210, illus. 1915.

The necessity for better marketing methods is shown, principles which have been found essential are stated, and methods of financing discussed.

BEMIS, EDWARD WEBSTER. (New York City. *b.* 1860. Economist; consulting engineer on public utilities in various cities; professor of history and political economy. Vanderbilt University, 1899–1892; professor of political economy, University of Chicago, 1892–1895; superintendent water department, Cleveland, 1901–1909. *Author:* Municipal monopolies, 1869; Municipal ownership of gas works in the United States, 1891, etc.)

BEMIS, EDWARD WEBSTER—Continued.

COOPERATIVE DISTRIBUTION. U. S. Dept. Labor Bul. 1: 610–644. 1896.

A study of the cooperative societies of the United States, with special analysis of the cooperative stores as to type of organizations, methods, and amounts of business, success or failure, and other factors of interest.

See also History of Cooperation in the U. S.

BENNER, CLAUDE L. . . . (Washington, D. C., Institute of Economics.)

THE FEDERAL INTERMEDIATE CREDIT SYSTEM. 375 p., illus. New York, The Macmillan Co., 1926. (Institute of Economics Series.)

"A thorough and penetrating appraisal of the new facilities for agricultural intermediate credit," pointing out the possibilities for good or evil these institutions hold for the American farmer.

HAS RURAL CREDIT LEGISLATION GONE FAR ENOUGH AND IN THE RIGHT DIRECTION? Jour. Farm Econ. 7: 84–101. 1925.

A discussion of the credit facilities which have been built up within recent years, their efficacy and their limitations.

BENTON, ALVA HARTLEY. (Fargo, N. Dak. *b.* 1886. Head of department of marketing and rural finance, North Dakota Agricultural College, 1922–. Assistant professor, farm management, University of Minnesota, 1913–18; professor, farm management and rural economics, Manitoba Agricultural College, 1918–22.)

AN INTRODUCTION TO THE MARKETING OF FARM PRODUCTS. 427 p., illus. Chicago and New York, A. W. Shaw Co. [etc.] 1926.

The author has endeavored to give a definite and clear picture of what marketing is and how agricultural products are marketed, both under the old established private marketing system and under the newer system, the producers' cooperative marketing organization. Designed as a textbook.

MARKETING DAIRY PRODUCTS: CREAMERIES AND COOPERATIVE CREAM SHIPPING STATIONS IN NORTH DAKOTA. N. Dak. Agr. Expt. Sta. Bul. 182, 40 p., illus. 1924.

History, description, and analysis are combined to present a clear picture of the cooperative dairy enterprises of North Dakota.

BERGENGREN, ROY F. (Boston, Mass. *b.* 1879.)

COOPERATIVE BANKING: A CREDIT UNION BOOK. 398 p., illus. New York, The Macmillan Co., 1923.

The credit union is discussed as an exemplification of the possibilities of cooperative banking. The author endeavors, as a means of extending banking service to the masses of the people, "to demonstrate in a practical way . . . what may reasonably be expected from a development of cooperative banking in the United States." Descriptions of the rural credit unions of North Carolina are of special interest.

BEXELL, JOHN ANDREW, and KERR, WILLIAM HORACE. *See also* Kerr, William Horace.

Bexell, John Andrew. (Corvallis, Oreg. *b.* 1867. Dean school of commerce, Oregon Agricultural College, since 1908; director, Oregon bureau of statistics; conducted agricultural survey of Oregon, 1912; collaborator, U. S. Bureau of Agricultural Economics. *Author:* Principles of bookkeeping and farm accounts, 1913; bulletins on cooperation.)

BUSINESS PRACTICE AND ACCOUNTS FOR COOPERATIVE STORES. U. S. Dept. Agr. Bul. 381, 56 p., illus. 1916.

"The purpose of this bulletin is to outline a simple and adequate system of records for cooperative retail stores, and to point out such fundamental business methods as must be observed to insure success." Numerous sample forms and pertinent suggestions are given.

BEXELL, JOHN ANDREW, MACPHERSON, HECTOR, and KERR, WILLIAM HORACE. *See also* Macpherson, Hector; Kerr, William Horace.

A SURVEY OF TYPICAL COOPERATIVE STORES IN THE UNITED STATES. U. S. Dept. Agr. Bul. 394, 32 p., illus. 1916.

A survey made for the purpose of securing accurate information regarding the subject of cooperative stores for the guidance of existing stores and of those which may be formed in the future. Sixty stores in 10 States were selected for the study.

BLACK, JOHN D., and GUTHRIE, EDWARD S.

Black, John Donald. (St. Paul, Minn. *b.* 1883. Professor and chief of division of agricultural economics, University of Minnesota. Author, with others, bulletins on cooperation.) *See also* Gaumnitz, Edwin W.

BLACK, JOHN D., and GUTHRIE, EDWARD S.—Continued.

ECONOMIC ASPECTS OF CREAMERY ORGANIZATION. Minn. Agr. Expt. Sta. Tech. Bul. 26, 111 p., illus. 1924.

Problems of organization are considered, as distinguished from problems of management, "primarily for specialists in the field of marketing and dairy manufacture." The main source of information was a study of 102 Minnesota creameries.

BLACK, JOHN DONALD, HOLT, BUDD A., and PETERSON, GEORGE M.

ECONOMIC ASPECTS OF LOCAL POTATO WAREHOUSE ORGANIZATION. Minn. Agr. Expt. Sta. Tech. Bul. 28, 76 p., illus. 1925.

A survey of 71 warehouses of three different types served as the basis for this bulletin. Problems of organization are dealt with, as distinguished from problems of operation and management.

BLACK, JOHN DONALD, and PRICE, HUGH BRUCE. *See also* Price, Hugh Bruce.

COOPERATIVE CENTRAL MARKETING ORGANIZATION. Minn. Agr. Expt. Sta. Bul. 211, 112 p. 1924.

The authors state that their purpose is to answer as many as possible of the questions constantly being asked about cooperation on the central market. The subject matter is presented under the following headings: problems to be solved, form of organization, principal differences between types of organization, organization and management problems.

BLACK, JOHN DONALD, and ROBOTKA, FRANK. *See also* ROBOTKA, FRANK.

FARMERS' COÖPERATION IN MINNESOTA, 1913–1917. Minn. Agr. Expt. Sta. Bul. 184, 62 p., illus. 1919.

One of a series of bulletins on the subject issued by the division of research in agricultural economics. Statistics of cooperation in the State for 1917 are presented, and at the same time the changes in the movement between 1913 and 1917 are traced. These statistics form the basis for certain conclusions as to the causes for success or failure of various types of associations.

BLACK, JOHN DONALD, ROBOTKA, FRANK, and MILLER, PAUL L.

LOCAL COOPERATIVE POTATO MARKETING IN MINNESOTA. Minn. Agr. Expt. Sta. Bul. 195, 88 p., illus. 1921.

A study of local potato marketing associations with details regarding their business methods and the results obtained thus far, made for the purpose of giving a clearer understanding of the problems involved in the organization and management of such associations.

BLANC, ELSIE TERRY (MRS. NEIL). (Springfield, Mass. *b.* 1889. The writer was born in Russia and lived there a number of years and has a keen interest in that country.)

CO-OPERATION MOVEMENT IN RUSSIA. 234 p. New York, The Macmillan Co., 1924.

The author states. "The cooperative movement is a story of many thrilling adventures.... It is but 57 years old, yet it has endured many startling changes and has so closely wound its progress in and out of the kaleidoscopic history of Russia that one can grasp its stormy growth only in connection with the careful study of the spectacular evolution of Russia.... Nowhere else has the movement been dependent upon the mood of the government." The story accordingly is traced in its historical setting, through the early years, the war, the Bolshevist régime, and the "new economic policy."

BOMBERGER, FRANK BYERS. (College Park, Md. *b.* 1875. Assistant director agricultural extension service and specialist in rural organization and marketing, Maryland State College of Agriculture.)

MARKETING FARM PRODUCTS IN MARYLAND. Md. Univ. [Agr.] Ext. Bul. 22, 56 p. 1921.

The present unsatisfactory marketing conditions and certain general principles which must be observed in any system of marketing farm products are discussed. The appendix includes the results of two surveys, one a study of methods of marketing perishable farm products of the State, made in 1918, and the other a study of the marketing and distribution of home-grown fruits and vegetables in Baltimore, 1919.

BOYLE, JAMES ERNEST. (Ithaca, N. Y. *b.* 1873. Extension professor, rural economics, Cornell University, 1917– ;field agent in marketing, U. S. Department of Agriculture, 1916–17; State director for North Dakota of National Conference on Marketing and Farm Credits. *Author:* Financial history of Kansas, 1904; Government of North Dakota, 1910.)

BOYLE, JAMES ERNEST—Continued.

AGRICULTURAL ECONOMICS. 448 p., illus. Philadelphia [etc.] J. B. Lippincott Co., [1921].

The author states that "this book was not written for the expert or specialist, but for the average student of agricultural problems." Marketing, cooperation, rural credit, and farmers' organizations are among the questions analysed.

MARKETING OF AGRICULTURAL PRODUCTS. 479 p. New York [etc.] McGraw-Hill Book Co., Inc., 1925.

The purpose of the book is stated to be twofold: "to set forth the so-called fundamental principles of marketing: to present the programs—that is, the efforts, good and bad, and the achievements in putting these principles into practice." Part I is devoted to principles of marketing, and Part II to a discussion of programs.

BRAND, CHARLES JOHN. (Washington, D. C. *b.* 1879. Executive secretary, National Fertilizer Association, 1925– ; consulting specialist in marketing, U. S. Department of Agriculture, 1922–1925; Chief, Bureau of Markets, U. S. Department of Agriculture, 1913–1919; vice president, American Fruit Growers, Inc., 1919–1922.)

THE DISTRIBUTION OF AGRICULTURAL PRODUCTS AND THE FUNCTION OF PRODUCE EXCHANGES. *In* Friedman, E. M., ed., American Problems of Reconstruction, p. 217–231. New York, E. P. Dutton & Co., 1918.

Mr. Brand, writing as Chief of the Bureau of Markets, U. S. Department of Agriculture, discusses the general problem of distribution, summarizing under seven headings the greatest needs for efficient distribution of farm products in the United States. The types and functions of produce exchanges are outlined, their value shown, and certain changes suggested.

IMPROVED METHODS OF HANDLING AND MARKETING COTTON. U. S. Dept. Agr. Yearbook 1912: 443–462, illus. 1913.

The success of a number of cooperative enterprises undertaken by cotton farmers shows the advantages to be gained by cooperation. Suggestions are made for organization and for better methods of handling the cotton crop.

BRANSON, EUGENE C. (Chapel Hill, N. C. *b.* 1861. Professor of rural social economics, University of North Carolina, 1913– ; president, Georgia State Normal School. 1900–1912. *Author:* Various school textbooks, farm life studies in the South, and others.)

FARM LIFE ABROAD. 303 p. Chapel Hill, Univ. of N. C. Press, 1924.

The writer spent 12 months studying the life and business of the farm populations of Germany, Denmark, and France for the purpose of pointing out to the people of North Carolina the factors best worth considering at home, including the many cooperative enterprises. The results are presented in a series of attractive letters.

BROOKS, THOMAS JOSEPH. (Agricultural College, Miss. *b.* 1870. Professor of markets and rural economics, Mississippi Agricultural College; secretary, Tennessee Farmers' Union, three years; national lecturer, Farmers' Union, eight years; delegate to International Institute of Agriculture, Rome, 1913; State senator, 1911–12. *Author:* March of Intellect, 1909.)

MARKETS AND RURAL ECONOMICS: SCIENCE OF COMMERCE AND DISTRIBUTION. 397 p. New York, The Shakespeare Press, 1914.

That our present wasteful system of distribution is due to neglect of institutions of learning to teach the principles of economics as applied to production and distribution is the belief of the author. This volume is designed as a textbook to aid our future producers and consumers to a better understanding of these principles and of their practical application to problems of production, marketing, and rural credit.

BROSSARD, E. B. (Logan, Utah. Economist, Utah Agricultural Experiment Station.)

RURAL CREDITS IN UTAH. Utah Agr. Expt. Sta. Circ. 48, 42 p., illus. 1923.

Existing agricultural credit conditions in the United States are reviewed, with special reference to mortgage credit in Utah. Statistics for the State are given. The Federal farm loan system as now amended is described with comments.

BUBNOFF, J. V. (London, England. Manager, London office, Moscow Narodny Bank.)

THE CO-OPERATIVE MOVEMENT IN RUSSIA: ITS HISTORY, SIGNIFICANCE, AND CHARACTER. 162 p., illus. Manchester, Co-operative Printing Society Ltd., 1917.

Russia's part in the cooperative movement is both interesting and remarkable. This book tells of its rapid growth under great difficulties, of the vast amount of business conducted by the cooperatives at the time of writing (1917), of the social developments, and of the general effect of the war.

BUCK, SOLON JUSTUS. (Minneapolis, Minn. *b.* 1884. Professor of history, University of Minnesota, 1914–. Superintendent, Minnesota Historical Society, 1914–. *Author:* The agrarian crusade, 1919; Travel and description, 1765–1865, 1914.)

THE GRANGER MOVEMENT. 384 p., illus. Cambridge, Harvard University Press [etc.] 1913.

The granger movement is interpreted as the beginning of a new period in American history. Fundamental economic conditions in the different sections of the country following the Civil War are depicted to show the causes which led to the formation of societies of farmers for protection from oppression and monopoly and for the cooperative transaction of business. The history of this first attempt at agricultural organization on a large scale is traced, showing the significance of a movement for the welfare of the farmers socially, intellectually, economically, and politically, and its lasting influence on the country. A comprehensive bibliography is appended.

BUECHEL, FREDERICK ANTHONY. (Washington, D. C. *b.* 1884. Agricultural economist, Bureau of Agricultural Economics, 1926– ; teacher, University of Wisconsin, 1919–21; professor of agricultural economics, Texas Agricultural and Mechanical College, 1921–26.)

THE COMMERCE OF AGRICULTURE: A SURVEY OF AGRICULTURAL RESOURCES. 439 p., illus. New York, John Wiley & Sons, Inc.; London, Chapman & Hall, Ltd., 1926.

A world perspective of the agricultural industry is presented, showing the interrelation between the various parts of the industry itself and the place of the industry within the economic system as a whole. The great technological and economic problems of agriculture are also pointed out.

BULLOCK, EDNA D. (Comp.) . . .

AGRICULTURAL CREDIT. 177 p. White Plains, N. Y., and New York City, The H. W. Wilson Co., 1915.

Selected articles by prominent writers, from periodicals and other sources, present various aspects of the situation in regard to agricultural credit. A bibliography is included.

BURRITT, MAURICE CHASE. (Hilton, N. Y. *b.* 1883. Farmer; scientific assistant, Office of Farm Management, U. S. Department of Agriculture, 1908–11; editor, New York Tribune Farmer, 1911–13; State leader, county agents, Cornell University, 1914–16.)

THE COUNTY AGENT AND THE FARM BUREAU. 269 p., illus. New York, Harcourt, Brace & Co., [1922].

From his wide experience in farm bureau work the writer endeavors to give a better understanding of the aims and ideals of the movement.

CAHILL, JOSEPH ROBERT . . .

AGRICULTURAL CREDIT AND COOPERATION IN GERMANY. REPORT TO THE BRITISH BOARD OF AGRICULTURE AND FISHERIES OF AN INQUIRY INTO AGRICULTURAL CREDIT AND AGRICULTURAL COOPERATION IN GERMANY. U. S. Congress, 63d, 1st sess., Senate Doc. 17, 474 p., illus. 1913.

A full report of an investigation of the organization and working of the systems of credit and cooperation which the German farmers have evolved for their own advantage, presented as a source of information for those interested in building up the social and economic life of Great Britain. Detailed descriptions of typical institutions are included in order to present their outstanding features.

CAMP, WILLIAM ROSWELL. (Berkeley, Calif. *b.* 1873. Associate professor rural institutions, University of California, 1919– ; professor agricultural economics, North Carolina Agricultural and Mechanical College, 1913–19; chief, North Carolina State division of markets and State superintendent of credit unions to 1919.)

AGRICULTURAL POOLS IN RELATION TO REGULATING THE MOVEMENT AND PRICE OF COMMODITIES. Acad. Polit. Sci., New York, Proc. 11:735–788 (183–236). 1926.

The increasingly large quantities of agricultural products being marketed through pools calls for consideration of the subject and the writer states: "This article will give a critical examination of the agricultural pool, to differentiate it from the manufacturers' pool, to show its precise nature as it has been applied to different farm products, its relation to the processes of distribution and of banking, and its limitations in flow of products to different markets, in stabilizing prices, and in maintaining a balance between the grower-seller and the manufacturer-buyer of farm products."

THE ORGANIZATION OF AGRICULTURE IN RELATION TO THE PROBLEM OF PRICE STABILIZATION. Jour. Polit. Econ. 32:282–314, 441–467. 1924.

The author states his objects to be "to depict business practices in order to show the relation between the methods of distributing farm products and of financing agriculture to the market prices of farm products, to develop a tentative theory of some of the factors that determine the prices of farm products, and finally to show the relation of the organization of agriculture to the problem of price stabilization."

CANADIAN CO-OPERATIVE WHEAT PRODUCERS, LTD.

THE CANADIAN WHEAT POOL YEAR BOOK 1925. 108 p., illus. Winnipeg. Canadian Co-operative Wheat Producers, Ltd., [1925].

A chronological table shows the development of the wheat pool movement, which is also told in story form. Each of the three provincial pools is described and the various contracts and agreements are quoted in full, also the financial statements of each pool as of July 15, 1925.

CANCE, ALEXANDER EDMOND. (Amherst, Mass. *b.* 1874. Professor of agricultural economics, Massachusetts Agricultural College; member U. S. Commission to Investigate and Study Rural Credit and Agricultural Cooperative Organizations in Europe, 1913. *Author:* Recent immigrants in agriculture, 1911 (2 vols. for U. S. Immigration Commission); The agricultural industry and resources of the United States, 1917.)

THE FARMERS' COOPERATIVE EXCHANGE. 34 p. Amherst, Mass., Massachusetts Agricultural College, 1914. (Mass. Agr. Col. Ext. Serv.)

The author points out the advantages of cooperation among farmers, the fundamentals of successful organization, difficulties to be avoided, the possible fiields for farmers' exchanges in Massachusetts, and the necessary steps to be taken in organizing.

CANCE, ALEXANDER EDMOND, and JEFFERSON, LORIAN P.

FARMERS' COOPERATIVE CORPORATIONS. Vt. Dept. Agr. Bul. 24, 48 p. 1915.

Because the problem of sending farm produce to the distant market has become too complicated for the individual producer to deal with, this bulletin was prepared to give the Vermont farmers a better idea of present marketing conditions and the essentials of successful cooperation, with special emphasis upon cooperative creameries.

CAPPER, ARTHUR. (Topeka, Kansas. *b.* 1865. United States Senator from Kansas, 1919– ; editor and publisher; president board of regents, Kansas Agricultural College; president State historical society; Governor of Kansas, 1915–19.)

THE AGRICULTURAL BLOC. 171 p. New York, Harcourt, Brace & Co., [1922].

Senator Capper describes the conditions which led to the formation of the agricultural bloc in Congress, the after-war depression, the high cost of living, the deficiencies of farm finance, the problems of marketing, and tells of the determined efforts of a group of Senators and Representatives to assist in relieving the situation.

CARLISLE, LAWRENCE A. (Concord, N. H. Assistant commissioner of agriculture, in charge State bureau of markets.)

FARMERS' BUYING AND SELLING ORGANIZATIONS IN NEW HAMPSHIRE. 31 p. Concord, N. H., State Department of Agriculture. 1922.

This bulletin was prepared for the benefit of the farmers of the State, to give them a brief description and history of the organizations in operation, with a comparison of the methods employed, and a summary of the principles essential to success in such enterprises.

CARVER, THOMAS NIXON. (Cambridge, Mass. *b.* 1865. Professor of political economy, Harvard University, 1900– ; professor of economics, Oberlin College, 1894–1900; director rural organization service, U. S. Department of Agriculture, 1913–14. *Author:* The distribution of wealth, 1904; Essays in social justice, 1915; Principles of national economy, 1921, etc.)

ELEMENTS OF RURAL ECONOMICS. 266 p., illus. Boston, New York [etc.] Ginn & Co., [1924].

Designed as a textbook. Chapter 9 is a discussion of the marketing of farm products and chapter 10 of cooperation among farmers.

HOW TO USE FARM CREDIT. U. S. Dept. Agr. Farmers' Bul. 593, 14 p. 1914.

A clear analysis of the nature and use of capital, showing when credit is desirable and considering the repayment and duration of the loan, interest rates, and the possibilities of improving credit conditions by cooperative action. Amortization tables are added.

PRINCIPLES OF RURAL ECONOMICS. 386 p., illus. Boston, New York [etc.] Ginn & Co., [1911].

This discussion of general principles contains much historical matter and many practical suggestions. Pages 275–281 are devoted to rural credits, their use and abuse, with a concise description of the cooperative credit systems of Germany. A bibliography is included.

THE ORGANIZATION OF A RURAL COMMUNITY. U. S. Dept. Agr. Yearbook 1914: 89–138, illus. 1915.

A general plan for the comprehensive organization of a whole community is presented. The chief business needs and the chief social needs of a community are classified and the work of a committee to deal with each class is outlined. Suggested lists of books for the use of each committee are appended.

THE ORGANIZATION OF RURAL INTERESTS. U. S. Dept. Agr. Yearbook 1913: 239–258, illus. 1914.

The causes which led to disorganization in rural life and the efforts at reorganization are sketched; the numbers and locations of the leading types of cooperative enterprises in the United States in 1913 are shown by tables and maps.

CASSAU, THEODOR O. (Editor and author.)

THE CONSUMERS' COOPERATIVE MOVEMENT IN GERMANY. Translated from the German by J. F. Mills. 201 p. London, T. Fisher Unwin, Ltd., [etc.] 1925.

The translator in his preface states that the book "traces not only the origin, growth and development, structure, struggles, and achievements of the movement, but also shows the inward and outward forces which have been at work or at play, and which have moulded it into shape and directed its course."

CENTRAL UNION OF CO-OPERATIVE SOCIETIES IN JAPAN.

THE DEVELOPMENT OF CO-OPERATIVE MOVEMENT IN JAPAN. 29 p. Tokyo, Central Union of Co-operative Societies in Japan, 1924.

Information regarding the various types of societies developed since 1900 is presented largely by means of tables.

CHANDLER, WILLIAM HENRY. (Berkeley, Calif. *b.* 1878. Professor of pomology, University of California, 1923– ; professor of pomology and vice director of research, college of agriculture, Cornell University, 1913–1923; formerly professor, University of Missouri.)

CO-OPERATION AMONG FRUIT GROWERS. Missouri Agr. Expt. Sta. Bul. 97, 58 p., illus. 1911.

The rapid growth of cooperation among fruit growers in the decade 1901–1911 is noted, 256 such associations being listed by the Missouri experiment station. A number of the larger ones are cited and some details of their business given.

CHAPMAN, JOHN M. (New York City. Professor of banking, Columbia University.)

COOPERATIVE MARKETING FINANCE. Polit. Sci. Quart. 39; 592–623. 1924.

The article discusses types of organization and methods of financing the marketing operations, including State and Federal efforts to meet the needs of farmers.

FINANCING THE MARKETING OF WHEAT. Harvard Business Rev. 3: 436–446; 4: 57–70. 1925.

Part I outlines the problems and methods involved in financing the marketing of wheat until it passes into the hands of the middleman. Part II deals with certain proposals to remedy undesirable conditions, and presents conclusions.

CHEEL, ERNEST C. (Ontario, Calif. *b.* 1879. Connected with cooperative societies in England and the United States since boyhood; six years assistant manager Sittinghouse Cooperative Association; expert accountant; student of social and economic movements.)

CO-OPERATIVE ACCOUNTING. 15 p. New York City, The Cooperative League of America, 1920.

A system of bookkeeping for cooperative stores, with sample forms and full explanations.

CHERINGTON, PAUL TERRY. (New York City. *b.* 1876. Marketing expert. Director of research, J. W. Thompson Co., 1922– . Professor of marketing, graduate school of business administration, Harvard University, 1913–1919; Sec'y-treas., National Association of Wool Manufacturers, 1919–1922. *Author*: Advertising as a business force, 1912; The Boston market situation, 1915.)

THE ELEMENTS OF MARKETING. 238 p. illus. New York, The Macmillan Co., 1920.

Although the volume deals with the marketing of merchandise in general and not specifically with agricultural products, it is an analysis of the principles involved in all marketing, and as such may lead to a clearer understanding of the problems of cooperative enterprises.

CHERKINSKÏÏ, M. (TCHERKINSKY, M.) . . .

THE LANDSCHAFTEN AND THEIR MORTGAGE CREDIT OPERATIONS IN GERMANY (1770–1920). 90 p. Rome, Printing Office of the Institute, 1922. (International Institute of Agriculture.)

Part I of this monograph describes the origin and historical development of the landschaften, and Part II their organization and operation, with many statistical tables. The period covered is from 1770 to 1920.

CHRISTENSEN, CHRIS LAURITHS. (Washington, D. C. *b.* 1894. Agricultural economist, U. S. Department of Agriculture, 1924– , and in charge, Division of Cooperative Marketing, 1926– . Fellow of American-Scandinavian Foundation, Universtiy of Copenhagen, 1921–22; investigator in agricultural cooperation (foreign), U. S. Department of Agriculture, 1922–23.

AGRICULTURAL COOPERATION IN DENMARK. U. S. Dept. Agr. Bul. 1266, 88 p., illus. 1924.

Demark is considered a notable example of what cooperation can do for a country. Her present position as "the world's foremost country in the scientific organization of her production and marketing," is attributed to 40 years of sound agricultural planning, which has revolutionized the economic and social life of the people. Organization along commodity lines is discussed in detail.

CLARK, FRED EMERSON. (Evanston, Ill. Associate professor of economics and marketng, Northwestern University School of Commerce.)

PRINCIPLES OF MARKETING. 570 p. illus. New York, The Macmillan Co., 1922.

The general principles of marketing are analyzed and discussed, with special consideration of the problems of agricultural marketing. One chapter takes up "Distributive cooperation," and another "The elimination of middlemen."

CLARK, WILLIAM CLIFFORD . . .

THE COUNTRY ELEVATOR IN THE CANADIAN WEST. Queen's Quart. 24: 46–68, 1916. (Bul. Departments of History and Political and Economic Science in Queen's University, Kingston, Ontario, Canada, No. 20.)

A history of the grain trade in Canada, showing the development of the present system of marketing with its three big cooperative companies. The author states, "In no other country of the world have the grain growers done so much to solve their own problems as in our Canadian West."

CLEMEN, RUDOLF ALEXANDER. (Chicago, Ill. Economist, Illinois Merchants' Trust Company.)

IS THE GRAIN TRADE CHANGING? 24 p., illus. Chicago, Illinois Merchants' Trust Co., 1924.

A study of trends in the American grain trade. Four lines of changes are noted and discussed: in relation to grain markets, in financing methods, in Government supervision of exchanges, and in cooperative grain marketing.

COFFEY, DIARMID. (Dublin, Ireland. Librarian, Cooperative Reference Library.)
THE COOPERATIVE MOVEMENT IN JUGOSLAVIA, RUMANIA AND NORTH ITALY. 99 p. New York [etc.] Oxford University Press, 1922. (Publications of the Carnegie Endowment for International Peace. Division of Economics and History. Preliminary Economic Studies of the War, no. 21.)

The period covered by these studies is during and after the world war, and the writer found that cooperation had survived the war more successfully than many other forms of enterprise: that it demonstrated its efficiency and elasticity in meeting economic difficulties; and in many districts kept the people alive when other forms of trade had ceased to function. The first two countries were studied more fully than Italy.

CONGRESS AND COOPERATIVE MARKETING. Cong. Digest, 4: 255–287. 1925.

This number of the Congressional Digest is given entirely to the subject of cooperative marketing. It contains extracts from addresses by President Coolidge, Secretary Hoover, and Secretary Jardine; articles by Lloyd S. Tenny, Chris L. Christensen, and Huston Thompson; the report of the President's agricultural conference, and a pro and con discussion of the cooperative marketing bill by Members of the House of Representatives.

CO-OPERATIVE CONGRESS.
PROCEEDINGS OF THE THIRD CO-OPERATIVE CONGRESS. 129 p. London, William Strange, 1832.

As a bit of the very early history of the cooperative movement this volume is of interest. The third cooperative congress, held in London, April 23–30, 1832, was "composed of delegates from the cooperative societies of Great Britain and Ireland." Robert Owen, as presiding officer, stated, "This congress is held with a view to give effectual and permanent relief to the entire population from their present moral and political difficulties. . . ." A statistical table shows 65 societies represented, many of which reported from 1 to 14 other societies in their neighborhoods. The societies seem to have been organized largely for manufacturing or educational purposes.

CO-OPERATIVE LEAGUE OF AMERICA.
REPORT OF THE PROCEEDINGS OF THE . . . AMERICAN CO-OPERATIVE CONVENTION. FIRST (1918) TO FOURTH (1924). New York City, The Co-operative League of America, 1919–[1925].

The Cooperative League of America is the federation of consumers' societies in the United States, "acting as a link between the local society and the world-wide cooperative movement." The 1924 congress is called the "Fourth Congress of the Cooperative League."

CO-OPERATIVE UNION, LIMITED.
ANNUAL CONGRESS REPORT, 1869 [TO DATE]. Manchester, [Eng.] Co-operative Union Limited. [1869 to date.]

The reports of these congresses contain statistics and other data from the societies of England, Scotland, and Ireland, including agricultural societies, also many papers dealing with various phases of the problems of cooperative enterprises.

CO-OPERATIVE WHOLESALE SOCIETIES, LIMITED.
ANNUALS, 1887–1918. Manchester, Co-operative Wholesale Society, Limited; Glasgow, Scottish Co-operative Wholesale Society Limited. [1887–1918.]

The English and Scottish societies in these annuals present records of events, reports of departments and societies, much statistical matter, and papers on economic questions. The 1918 number contains a list of the contributed papers published in the annuals from 1885 to 1918, many of them by eminent writers. All numbers are profusely illustrated. In 1919 this series was merged with the People's Year Book and Annual of the Cooperative Wholesale Society.

THE PEOPLE'S YEAR BOOK AND ANNUAL OF THE ENGLISH AND SCOTTISH WHOLESALE SOCIETIES. Manchester [etc.] Co-operative Wholesale Society, Ltd. [etc.] 1918 to date.

The first number of the People's Yearbook was issued in 1918. The following year the annual of the Cooperative Wholesale Society was combined with it under the above title and the annual as such was discontinued. A great variety of statistics from many countries are given, also summaries of proceedings of cooperative congresses of the year.

COULTER, JOHN LEE. (Agricultural College, North Dakota. *b.* 1881. President, North Dakota Agricultural College, 1921– . Chief, agricultural census, U. S. Census Bureau, 1910-1914; member American Commission to Study and Investigate Rural Credits and Cooperation, 1913.)

CO-OPERATION AMONG FARMERS. 281 p., illus. New York, Sturgis & Walton Co., 1911.

The author is convinced that farming can be made as profitable as any other business and farm life as attractive as city life. The necessity for organization and better financing is emphasized. The best forms of organizations for farmers are outlined, and experiences of successful and unsuccessful associations given.

ORGANIZATION AMONG THE FARMERS OF THE UNITED STATES. 28 p. New Haven, Conn., The Yale Publishing Assoc., 1909. (Yale Review reprints No. 10.)

In an effort to correct a prevailing impression that farmers are individualistic and will not work together for any length of time, the writer presents this historical sketch of cooperative enterprises, beginning with those of the colonial period and tracing the movement down through the years.

THE PROBLEM OF RURAL CREDIT OR FARM FINANCE IN THE UNITED STATES. Wis. State Bd. Agr. Bul. 1, 39 p. 1913.

Writing as expert special agent in charge of agriculture, Bureau of the Census, Doctor Coulter presents this study of credit conditions in the United States largely as an aid to the Southern Commercial Congress in its preparation for study of the credit situation in Europe.

CROSS, IRA BROWN (Berkeley, Calif. *b.* 1880. Professor of economics, University of California, 1914– ; served as expert, Wisconsin Tax Commission, 1904–1906; Wisconsin Bureau of Labor Statistics, 1905; U. S. Immigration Commission, 1908–9; special agent U. S. Commission on Industrial Relations, 1914–15. *Author:* Essentials of socialism, 1911; Collective bargaining in San Francisco, 1917.)

THE COOPERATIVE STORE IN THE UNITED STATES. Wis. Bur. Labor and Indus. Statis. Bien. Rpt. (1905/6) 12:1–69. 1906.

A historical sketch, showing the types of stores, the different organizations under which the early stores were started, the reasons for starting, the reasons for failure, and the present status of the movement. Statistical tables show the business affairs of a considerable number of these stores.

COOPERATIVE STORES IN THE UNITED STATES. *In* Bliss, W. D. P., ed., New Encyclopedia of Social Reform, ed. 4, p. 308–312, New York and London, Funk & Wagnalls Co. [1908].

This article summarizes the results of a study of the cooperative stores of the country. A table is included showing their status in June, 1905, as to numbers, membership, capital stock, sales, expenses, dividends, and other details.

CROSTHWAITE, HENRY ROBERT. (Nagpur, Central Provinces, India. *b.* 1876. Central Provinces commissioner, 1915– ; registrar, cooperative credit societies. *Author:* A primer of cooperative credit; A system of cooperation.)

COOPERATION; COMPARATIVE STUDIES AND THE CENTRAL PROVINCES SYSTEM. 542 p. Calcutta, Thacker, Spink & Co., 1916.

An analysis of cooperative banking in central India and in other countries. Detailed information is given in regard to each feature of India's system as it has been developed to meet the needs of that country.

CUMBERLAND, WILLIAM WILSON. (Lima, Peru. *b.* 1890. Employed by the Peruvian Government, 1922– . Instructor, professor, and chief, division of research in agricultural economics, University of Minnesota, 1916–1919; trade expert, War Trade Board, 1918; financial expert, U. S. High Commission, Constantinople, 1919–1920; foreign trade adviser, U. S. Department of State, 1920–1922.)

COOPERATIVE MARKETING: ITS ADVANTAGES AS EXEMPLIFIED IN THE CALIFORNIA FRUIT GROWERS' EXCHANGE. 226 p. Princeton, N. J., Princeton Univ. Press [etc.] 1917.

In an effort to point the way to a better system of marketing, the author analyzes the system of cooperation which has been worked out by the citrus industry of this country. Many details are given regarding cultivation, production, and marketing, also regarding the organization of the necessary machinery.

DALTON, JOHN F., JR.

THE DRAMATIC STORY OF THE DAIRYMEN'S LEAGUE. 18 p., illus. New York, Dairymen's League News [1924].

The events which led the New York milk producers to organize were indeed dramatic. How the league is meeting other difficulties as they arise is also outlined.

DARLING, MALCOLM L. (Indian Civil Service. Formerly Joint Registrar of Cooperative Societies, Punjab.)

SOME ASPECTS OF COOPERATION IN GERMANY, ITALY, AND IRELAND. 191 p. Lahore, Supt. of Government Printing, Punjab, 1922.

A report of a tour made in 1920–21, prepared primarily to show the actual working of the movement, to aid those who are building along similar lines.

DAY, EMILY L., JACOBS, KATHARINE, and OLCOTT, MARGARET T., (Comp.)

BIBLIOGRAPHY ON THE MARKETING OF AGRICULTURAL PRODUCTS. U. S. Dept. Agr. Misc. Circ. 35, 56 p, 1925.

Compiled in the library of the Bureau of Agricultural Economics by members of the library staff. The list is classified and references on cooperative marketing are given under each of the various headings.

DESJARDINS, ALPHONSE. (*b.* 1854. *d.* 1925. Founder of the cooperative people's banks of Canada. "A public-spirited French-Canadian gentleman of Levis.")

THE COOPERATIVE PEOPLE'S BANK. 42 p. New York City, Russell Sage Foundation, [1914].

The first cooperative people's bank in Canada was founded in 1900 with $26.40 capital. This booklet is a statement by the founder concerning the causes which led to the establishment of these banks, their methods of operation, and their value as a social and moral as well as a financial force.

DILLON, JOHN J. (New York City. *b.* 1856. General manager, Rural New Yorker.)

ORGANIZED COOPERATION. 134 p. New York City, Rural New Yorker, [1923].

A handbook of information for cooperators. History is cited to show how tillers of the soil have progressed from slaves to freeholders and citizens. The book was written "to hasten the perfection of the cooperative system and to save farmers as much as possible from costly hazards and mistakes in the process."

DRAYTON, CHARLES ORRIN. (Greenville, Ill. *b.* 1851. Founder of the Farmers' Equity Union and its National President, 1910–22.)

FARMERS MUST BE CO-OPERATORS. Ed. 3, 180 p., illus. Greenville, Ill., The Equity Union Publishing Co., 1914.

Plans and purposes of the organization are outlined, and the subject of cooperation is discussed from many angles.

DREHER, P. J. . . . (President California Fruit Growers' Exchange, 1919; at one time manager San Antonio Fruit Exchange.)

EARLY HISTORY OF CO-OPERATIVE MARKETING OF CITRUS FRUITS. Calif. Citrogr. 2(1):2–3, 17–18, illus. 1916.

Mr. Dreher tells of the deplorable and depressed condition of the citrus industry which led to the organization of the first association for cooperative marketing in 1892–93, and the development of the present system of distribution.

DUFOURMANTELLE, MAURICE. (*b.* 1862. . . .)

AGRICULTURAL CREDIT: GENERAL THEORY OF COOPERATIVE CREDIT IN FRANCE AND OTHER FOREIGN COUNTRIES. Translated from the French by Pauline Carter Biddle. U. S. Congress, 62d, 2d Sess., Senate Doc. 572, 27 p. 1912.

The general theory of cooperative credit is stated, with an account of what has been accomplished in Germany, Italy, and Hungary. The situation in France is discussed and compared with that in other countries, showing its weaknesses, its strong points, and its needs.

DUMMEIER, E. F. (Pullman, Wash., Assistant professor, agricultural economics, State College of Washington.)

CO-OPERATION IN MARKETING WASHINGTON FARM PRODUCTS. Wash. Agr. Expt. Sta. Bul. 194, 108 p., illus. 1925.

An attempt to answer many of the common questions about cooperation, what it is, what it can do and can not do, to what extent the farm products of Washington are marketed cooperatively, what the present organizations of the state are and how they operate.

DUNNING, NELSON A. (Editor.)

THE FARMERS' ALLIANCE HISTORY AND AGRICULTURAL DIGEST. 742 p., illus. Washington, D. C., Alliance Publishing Co. 1891.

This history of the Farmers' Alliance goes into considerable detail and gives much otherwise unrecorded history. The agricultural digest consists of miscellaneous information.

DURAND, EDWARD DANA. (Washington, D. C. *b.* 1871. Chief, division of statistical research, Bureau of Foreign and Domestic Commerce, 1924–. Special agent U. S. Department of Commerce, 1921–1924. Director U. S. Census, 1909–1913; professor of statistics and agricultural economics, University of Minnesota, 1913–1921. *Author:* Finances of New York City, 1898; The trust problem, 1915; bulletins on cooperative marketing.)

COÖPERATIVE LIVESTOCK SHIPPING ASSOCIATIONS IN MINNESOTA. Minn. Agr. Expt. Sta. Bul. 156, 29 p., illus. 1916.

The character of the livestock shipping movement is analyzed, its volume and distribution are summarized and shown by dot maps. A sample constitution and by-laws and a copy of the Minnesota laws governing cooperative associations are given.

DURAND, EDWARD DANA, and JENSEN, J. P.

FARMERS' ELEVATORS IN MINNESOTA, 1914–1915. Minn. Agr. Expt. Sta. Bul. 164, 43 p., illus. 1916.

This supplements bulletins 146 and 152 by Doctor Weld, giving the information for farmers' elevators for the crop year 1914 and analyzing the data in considerable detail.

DURAND, EDWARD DANA. and PRICE, HUGH BRUCE. *See also* Price, Hugh Bruce.

COÖPERATIVE BUYING BY FARMERS' CLUBS IN MINNESOTA. Minn. Agr. Expt. Sta. Bul. 167, 44 p., illus. 1917.

Those farmers' clubs of the State which reported having practiced cooperative buying were the subjects of this study. Part I describes the practices and experiences of clubs and groups of clubs in a number of localities. Part II summarizes and analyzes the business of all the clubs and gives a general discussion of the subject.

DURAND, EDWARD DANA, and ROBOTKA, FRANK. *See also* Robotka, Frank.

COÖPERATIVE CREAMERIES AND CHEESE FACTORIES IN MINNESOTA, 1914. Minn. Agr. Expt. Sta. Bul. 166, 53 p., illus. 1917.

A statistical study of creameries and cheese factories "with special emphasis on the relative importance of the cooperative and independent factories."

COÖPERATIVE STORES IN MINNESOTA, 1914. Minn. Agr. Expt. Sta. Bul. 171, 31 p., illus. 1917.

The information upon which this analysis was based was derived from the annual reports of the cooperative stores furnished to the University of Minnesota according to the State law. The financial affairs of the stores are presented in numerous tables, showing 1914 conditions and the influence of various factors on the net gain.

DURYEA, WILLIAM BUDDINGTON, JR. (*b.* 1888. . . .)

FARMERS' SELLING ORGANIZATIONS IN NEW JERSEY. N. J. Dept. Agr. Bul. 3: 66–84, illus. 1917.

Four successful farmers' organizations are described and their history, activities, and methods outlined. Three of these organizations are stock companies.

EASTERBROOK, L. F. . . .

WHY HAS AGRICULTURAL CO-OPERATION FAILED? Nineteenth Century 98: 335–345. 1925.

A thoughtful analysis of the situation in England and the reasons for lack of success. A reply to this article in a later issue of the same magazine. by Roland Hart-Synnott, is entered under the author's name.

THE ENGLISH AGRICULTURAL CO-OPERATIVE MOVEMENT: A REJOINDER. Nineteenth Century 99: 94–104. 1926.

Continuing the discussion concerning cooperation which appeared in this magazine in September and December, 1925.

EGAN, MAURICE FRANCIS. (Brooklyn, N. Y. *b.* 1852. Envoy extraordinary and minister plenipotentiary to Denmark, 1907–1918; served under three presidential administrations; professor of English literature, University of Notre Dame, 1888–1895; professor of English language and literature, Catholic University of America, 1895–97. *Author*: The life around us; lectures on English literature; numerous novels, poems, and articles.)

EGAN, MAURICE FRANCIS—Continued.

NOTES ON AGRICULTURAL CONDITIONS IN DENMARK. U. S. Congress, 62d, 3d Sess., Senate Doc. 992, 34 p. 1913.

These notes served as a basis for a series of lectures by the Hon. Maurice F. Egan in the various Southern States in the spring of 1912 under the auspices of the Southern Commercial Congress. They include an outline of the system of dairy farming and marketing which the people of Denmark have developed through cooperation; also a description of the educational system which goes hand in hand with the dairy farming and adds much to the prosperity and contentment of the people.

ELIOTT, HOWARD MCKENNY. (College Station, Tex. *b.* 1875. Chief, division of farm and ranch economics, Texas Agricultural and Mechanical College.)

FARMERS' COOPERATIVE GINS IN TEXAS. Tex. Agr. Expt. Sta. Spec. Circ. 23 p., illus. 1920.

The history and plan of operation of farmers' gins in Texas is sketched and the affairs of several of these organizations are analyzed in more detail. The cooperative law of the State is quoted in full.

ELLISON, TIMOTHY, and RAMSDEN, G. W. (The authors are "members of the staff of the Cooperative College . . . with experience gained during many years of service in salesmanship and management in the cooperative movement.")

THE MANAGEMENT OF FOODSTUFFS AND ALLIED DEPARTMENTS. A TEXTBOOK FOR CO-OPERATIVE SALESMEN AND MANAGERS. 365 p., illus. Manchester, The Co-operative Union, Limited, 1925.

Prepared for the Central Education Committee of the Cooperative Union, Ltd., to meet the need for special training in selling and handling foodstuffs.

ELSWORTH, RALPH HENRY. Washington, D. C. (*b.* 1872. Associate marketing economist, U. S. Department of Agriculture, 1924– . Newspaper work; extension work, Michigan State College; field agent in marketing, U. S. Department of Agriculture 1916–18; assistant, state cooperation in marketing, 1918–21; specialist in cooperative marketing, 1921–24.)

DEVELOPMENT AND PRESENT STATUS OF FARMERS' COOPERATIVE BUSINESS ORGANIZATIONS. U. S. Dept. Agr. Bul. 1302, 76 p., illus, 1925. (Revised ed.)

Data secured from three nation-wide surveys are assembled, compared, and interpreted. The information regarding the many farmers' organizations is presented largely by means of tables, charts, and maps.

ENGLUND, ERIC. (Cambridge, Mass. *b.* 1893. Graduate student, Harvard University, 1926–. Professor of agricultural economics, Kansas State Agricultural College 1921–26; field agent in marketing, U. S. Department of Agriculture, 1919.)

SURVEY OF TYPICAL OREGON FARMERS' CREAMERIES. Oreg. Agr. Expt. Sta. Bul. 168, 24 p., illus. 1920.

This survey was made to determine the degree of success attained by farmers' creameries in the state. Tables and charts illustrate the text.

ERDMAN, HENRY E. (Berkeley, Calif. *b.* 1884. Associate professor, rural institutions, University of California, 1922–; assistant professor, rural economics, Ohio State University, 1917–1921; in charge cost-of-marketing studies, U. S. Department of Agriculture, 1921–22.)

THE COMMODITY COOPERATIVE ASSOCIATION—ITS STRENGTH AND WEAKNESS. Jour. Farm Econ. 6:106–116. 1924.

Some of the elements of weakness and of strength are considered. Following the reading of this paper at the meeting of the American Farm Economic Association, December, 1923, the subject was further discussed by Carl Williams and O. B. Jesness, p. 117–123.

THE FARMERS' ELEVATOR MOVEMENT IN OHIO. Ohio Agr. Expt. Sta. Bul. 331:139–160. illus. 1918.

The nature and extent of the farmers' elevator movement in Ohio is shown. The history of the movement in general and in Ohio in particular is sketched and the characteristics of the Ohio companies pointed out.

ERDMAN, HENRY E.—Continued.

THE MARKETING OF WHOLE MILK. 333 p., illus. New York, The Macmillan Co., 1921.

Among the various phases of the subject discussed is that of collective bargaining under which the writer relates some causes which led to concerted action among the milk producers, and sketches the history of the early organization near New York, Boston, Philadelphia, and other cities. Certain associations are described in detail.

ORGANIZATIONS AMONG OHIO FARMERS. Ohio Agr. Expt. Sta. Bul. 342, p. 177–166, illus. 1920.

The subtitle of this bulletin is "Extent and nature of business and farm improvement associations." The numerous organizations of the state are classified and their affairs analyzed and discussed.

POSSIBILITIES AND LIMITATIONS OF COÖPERATIVE MARKETING. Calif. Agr. Expt. Sta. Circ. 298, 19 p. 1925.

Ten possibilities of improving conditions are discussed, also three limitations.

EVANS, FRANK. . . . (General counsel, American Farm Bureau Federation.)

THE TREND OF JUDICIAL DECISION IN COOPERATIVE MARKETING. 38 p. Chicago, American Farm Bureau Federation, [1925].

The writer goes back to the teachings of Christ which have ever exerted a powerful influence upon the laws governing markets and trade practices, refers to the early English laws on the subject of monopoly, which were the forerunners of our own laws, then shows the definite legal trend as reflected in the statutes and court decisions bearing upon the subject of cooperative enterprises.

EWBANK, ROBERT BENSON. Editor. (Cumberland, England. *b.* 1883. Registrar of cooperative societies, Bombay Presidency, 1911–19; deputy secretary to Government of India successively in departments of commerce, revenue and agriculture, education, health and lands, 1919–24; secretary colonies commission, 1924– . *Author*: Bombay Cooperative Manual.)

INDIAN COOPERATIVE STUDIES. 266 p., illus. London [etc.] Oxford Univ. Press, 1920. (Univ. of Bombay, Economic Series no. 2.)

Thirteen studies by as many writers "who have had special opportunities of investigating the subjects of which they write." The studies deal with problems of rural and urban societies, including credit, housing, and agricultural trading societies and cooperative stores.

FAY, CHARLES RYLE. (Toronto, Ontario, Canada. Professor of economic history, University of Toronto, 1922– . *Author:* Copartnership in industry, 1913; Life and labour in the nineteenth century, being the substance of lectures delivered at Cambridge University in the year 1919.)

CO-OPERATION AT HOME AND ABROAD. Ed. 3, 481 p. London, P. S. King & Son, 1925.

A study of the diverse and complex nature of cooperation. The history of cooperative growth and the relations between different forms of cooperation are outlined for each of seven countries. Each type of society is analyzed as it occurs in the different countries and comparisons are made. "A standard English work on the theory of the movement." The third edition contains supplements on the progress of cooperation in the United Kingdom and in the Canadian West.

FEDERAL FARM LOAN BOARD.

See U. S. Treasury. Federal Farm Loan Board.

FEDERAL RESERVE BANK OF MINNEAPOLIS.

THE FEDERAL RESERVE BANK AND THE FARMER AND STOCKMAN. Ed. 2, 31 p. [Minneapolis, 1921.]

Practical information regarding current credit problems is presented in a series of questions and answers, the questions being the most important ones asked by farmers at a series of banker-farmer conferences held in the Ninth Federal Reserve District in the winter of 1920–21.

FEDERAL TRADE INFORMATION SERVICE.

THE RURAL CREDITS ACT AND OTHER AMENDMENTS OF BANKING LAW RELATING TO AGRICULTURE. 48 p. New York, Washington, Federal Trade Information Service, [1923].

Full text, without comment, of the rural credits act (Public No. 503, 67th Cong. [S. 4280]), approved March 4, 1923, amending the federal farm loan act and the Federal reserve act. A number of previous amendments to these acts and to the national banking act, relating to agriculture are also included.

FILLEY, HORACE CLYDE. (Lincoln, Nebr. *b.* 1878. Prrofessor and head of department of rural economics, University of Nebraska, 1914– . Member Nebraska legislature. 1911.)

COOPERATION. Nebr. Agr. Col. Ext. Bul. 31, 31 p., illus., 1915.

The principles of cooperation are discussed, the Nebraska laws on the subject are given, and examples are cited of cooperative concerns doing business in Nebraska.

COOPERATIVE ELEVATORS. Nebr. Agr. Col. Ext. Bul. 64, 20 p., illus., 1921.

This bulletin details the essentials of organization and management of cooperative elevator companies, also the approved methods of organization. The growth of the movement in Nebraska is described, and the text of the state law is given as amended in 1921.

FISHER, COMMODORE B. (Lexington, Ky. . . .)

THE FARMERS' UNION. 77 p., illus. Lexington, Ky., 1920. (Univ. Kentucky. Studies in economics and sociology, no. 2.)

The subject matter is taken up under three headings: (1) The origin and development of the Farmers' Educational and Cooperative Union of America, (2) cooperative activities of the Farmers' Union, and (3) the legislative program of the Farmers' Union.

FLANAGAN, JAMES A. . . .

WHOLESALE COOPERATION IN SCOTLAND, THE FRUITS OF FIFTY YEARS' EFFORTS (1868–1918). 478 p. illus. Glasgow, Scottish Co-operative Wholesale Society, Ltd., 1920.

In commemoration of the golden jubilee of the Scottish Wholesale Society, this account of its operations for 50 years was compiled.

FOGHT, HAROLD WALDSTEIN. (Aberdeen, South Dakota. *b.* 1869. President, Northern Normal and Industrial School. 1919– . Wide experience in teaching; chief, division of rural schools, U. S. Bureau of Education, 1917–19; conducted educational surveys in Saskatchewan, South Dakota, Alabama, etc. *Author:* The American rural school, 1910; Rural Denmark and its schools, 1916; The rural teacher and his work, 1916.)

THE DANISH FOLK HIGH SCHOOLS. U. S. Bur. Ed. Bul. 22, 93 p., illus. 1914.

Denmark's system of schools for grown-up people is unique. It is generally conceded that these schools have been the most important factor in transforming the life of the rural people and aiding their economic development.

FOOD RESEARCH INSTITUTE.

A NATIONAL WHEAT-GROWERS' COOPERATIVE: ITS PROBLEMS, OPPORTUNITIES, AND LIMITATIONS. Stanford Univ. Wheat Studies Food Research Inst., v. 2, no. 3. 162 p. 1926.

Among the subjects discussed are the following: Phases of the marketing process, measuring price spreads, analyses of seasonal spreads, cost of trading in futures, profit in exporting wheat, nature of orderly marketing, wheat cooperatives and grain exchanges, present status in the United States. A footnote states that the study is substantially the work of Alonzo A. Taylor.

FORD, JAMES (Cambridge, Mass. *b.* 1884. Associate professor of social ethics, Harvard University. Employed by Russell Sage Foundation to study cooperation in New England, 1907; also studied the movement in Europe. *Author*: Fundamentals of housing reform, 1913; The housing problem, 1911.)

COOPERATION IN NEW ENGLAND. 237 p. New York, Survey Associates, (Inc.) 1913.

The nature and scope of cooperative enterprises in New England are shown, with reasons for various successes and failures.

FORRESTER, R. B. . . .

REPORT UPON LARGE SCALE CO-OPERATIVE MARKETING IN THE UNITED STATES OF AMERICA. 192 p., illus. London, H. M. Stationery Office, 1925. ([Gt. Brit.] Min. Agr. and Fisheries, Economic Series, no. 4.)

The writer was commissioned to visit the United States to make a study of the remarkable development of cooperative organizations in recent years, particularly the large-scale organizations which are so different from anything in Great Britain. He presents a comprehensive report of their economic background, their extent, their forms of organization, methods of operation, and their economic significance.

FOSSUM, PAUL ROBERT (Middletown, Conn. Instructor in economics and social science, Wesleyan University.)

THE AGRARIAN MOVEMENT IN NORTH DAKOTA. 183 p., illus. Baltimore, Johns Hopkins Press, 1925. (Johns Hopkins Univ. Studies in historical and political science, series 43, no. 1.)

After a survey of the causes of unrest among the farmers, the subject is presented under three headings: the early agrarian movement, the co-operative elevator movement, and the Non-Partisan League.

FOSTER, LEIGHTON GEORGE. *See also* Hibbard, Benjamin Horace.

(Foster, Leighton George. Columbus, Ohio. *b.* 1890. Professor, Ohio State University; formerly deputy commissioner, Wisconsin Department of Markets; field agent in marketing, U. S. Department of Agriculture, 1917–1919; made survey of livestock industry in Wisconsin.)

CO-OPERATIVE TOBACCO MARKETING IN WISCONSIN. Wis. Dept. Markets Bul., v. 4, no. 4, 32 p., illus. 1923.

History shows that the present organization, the Northern Wisconsin Copoerative Tobacco Pool, formed in 1922, had three predecessors, the first pool being formed by the American Society of Equity in 1908, when 17 warehouses were built. This pool was dissolved and a second one formed in 1910, and a third in 1918. The existing association is described and its constitution and by-laws are given.

GATLIN, GEORGE OURY. (Washington, D. C. *b.* 1888. Associate marketing economist, Bureau of Agricultural Economics, 1924– ; assistant in direct marketing, U. S. Department Agriculture, 1918–20; assistant State cooperation in marketing, 1920–23.)

COOPERATIVE MARKETING OF COTTON. U. S. Dept. Agr. Bul. 1392, 48 p., illus. 1926.

Based on a study of the 15 large cotton associations which are handling 10 per cent of the cotton crop of the country. Each contemporary organization is described in turn, also the overhead organization, the American Cotton Growers' Exchange.

GAUMNITZ, EDWIN W., and BLACK, JOHN DONALD. *See also* Black, John Donald.

(Gaumnitz, Edwin W., St. Paul, Minn. *b.* 1890. Iowa Agricultural Experiment Station, 1926. Instructor, agricultural economics, University of Minnesota. Agent, U. S. Department of Agriculture, 1922; collaborator, U. S. Department of Agriculture, 1923.)

ORGANIZATION AND MANAGEMENT OF LOCAL LIVESTOCK SHIPPING ASSOCIATIONS IN MINNESOTA. Minn. Agri. Expt. Sta., Bul. 201, 77 p., illus. 1922.

A study of existing organizations with a consideration of their problems and suggestions for other groups desiring to organize for cooperative shipping. Numerous charts, graphs, and tables are introduced.

GEBHARD, HANNES. (*b.* 1864. One of the founders and leaders of the cooperative movement in Finland. *Author:* A number of books on agricultural subjects in Swedish and French.)

COOPERATION IN FINLAND. Ed. by Lionel Smith-Gordon. Translated from the Swedish. 190 p., illus. London, Williams & Norgate, 1916.

Finland's progress in establishing cooperative enterprises within the last few years has been unusual. The work of the Pellervo Society in aiding and promoting the cooperatives has filled a great need in Finland. The various forms of local societies and the five federations are described and details of their business given.

GIDE, CHARLES. (Paris, France. *b.* 1847. Professor of political economy in the faculty of laws, University of Paris. "One of the most prominent figures in the cooperative movement." *Author:* Principles d'Economie Politique (13th ed.), 1913; la Cooperation, 1900–1903; Economie Sociale, 1902–1907.)

CONSUMERS' CO-OPERATIVE SOCIETIES. Amer. ed., 287 p. New York, Alfred A. Knopf, 1922.

A translation of "Les Societes Cooperatives de Consummation," which the translator's preface states "is regarded on the Continent as the standard work on consumers' cooperation and undoubtedly the most careful study of the subject made by a distinguished economist." The American edition, prepared by Cedric Long, contains a chapter on the cooperative movement in the United States, and American examples are cited throughout. The book has been translated into seven European languages and the Japanese.

GRAY, LEWIS CECIL, and TURNER, HOWARD ALFRED.
(Gray, Lewis Cecil, Washington, D. C. *b.* 1881. Agricultural economist, U. S. Department of Agriculture, 1919– . Assistant and instructor in economics, University of Wisconsin. 1908–1913; professor economics, University of Saskatchewan, 1913–1915; professor rural economics, George Peabody College, 1915–1919.)

BUYING FARMS WITH LAND-BANK LOANS. U. S. Dept. Agr. Bul. 968, 27 p., illus., 1921.

The subtitle of this bulletin is "A study based on the experience of 2,700 farmers who have borrowed money through Federal farm loan banks." The purpose of the study was to determine to what extent the Federal farm loan system in the first four years of its existence had "facilitated the acquisition of farms by landless farmers, especially by those having little capital."

GREAT BRITAIN. BOARD OF TRADE, LABOUR DEPARTMENT.

REPORT ON INDUSTRIAL AND AGRICULTURAL CO-OPERATIVE SOCIETIES IN THE UNITED KINGDOM, WITH STATISTICAL TABLES. 273 p., illus. London, H. M. Stationery Office, 1912.

This report, prepared by the labour department, covers the affairs of the industrial, agricultural, banking, credit, and other societies, for the decade beginning 1900.

GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES.

THE CO-OPERATIVE PURCHASE OF AGRICULTURAL REQUISITES. (A SURVEY OF THE PRESENT POSITION IN ENGLAND AND WALES.) 110 p., illus. London, H. M. Stationery Office, 1925. (Economic Series no. 5.)

While the cooperative purchase of agricultural requirements in England preceded cooperative marketing, there was a lack of reliable and comprehensive information on the subject and the present study was designed to fill this gap.

MODEL RULES FOR AN AGRICULTURAL CREDIT SOCIETY APPROVED BY THE MINISTER OF AGRICULTURE AND FISHERIES UNDER THE AGRICULTURAL CREDITS ACT, 1923, AND THE INDUSTRIAL AND PROVIDENT SOCIETIES ACTS, 1893–1913. 17 p. London, H. M. Stationery Office. 1923.

The contents are indicated by the title.

REPORT OF THE COMMITTEE ON AGRICULTURAL CREDIT. 39 p. London, H. M. Stationery Office, 1923.

An inquiry into the adequacy of credit facilities available to farmers in Great Britain, involving 21 meetings at which evidence was heard from all parts of Great Britain, covering all branches of the industry. Consultations were also held with various officials, and the conclusions of the committee are embodied in the report.

REPORT ON AGRICULTURAL CREDIT. 104 p. London, H. M. Stationery Office, 1926. (Economic Series no. 8.)

After surveying the entire field of agricultural credit, recommendations are made for handling credit through the present joint-stock banks.

REPORT ON CO-OPERATIVE MARKETING OF AGRICULTURAL PRODUCE IN ENGLAND AND WALES. (A SURVEY OF THE PRESENT POSITION.) 195 p., illus. London, H. M. Stationery Office, 1925. (Economic Series no. 1.)

The history and development of the movement is traced; a number of the firmly established societies are described in some detail, with a discussion of what appear to be the most important factors in success or failure. Statistics for all the societies are summarized.

HAGGARD, HENRY RIDER. (London, England. *b.* 1856. Barrister at law. "An authority on agricultural and social questions." Journeyed through England investigating agricultural conditions, 1901–02. *Author*: Rural England; numerous novels.)

RURAL DENMARK AND ITS LESSONS. 335 p., illus. London, New York [etc.] Longmans, Green & Co., 1917.

The author describes his visits to various Danish farms, creameries, bacon factories, and other institutions, as well as interviews with individuals, and his resultant conclusions regarding cooperation and cooperative credit. Profusely illustrated.

HAM, ARTHUR HAROLD, and ROBINSON, LEONARD G.
(Ham, Arthur Harold. New York, N. Y. *b.* 1882. Director, division of remedial loans, Russell Sage Foundation. Engaged in promoting a national movement for elimination of usurious money lenders. *Author*: The chattel loan business, 1909; The credit union and the cooperative store, 1917; Credit unions and their relation to savings and loan associations, 1915.)

A CREDIT UNION PRIMER. 79 p. New York City, Russell Sage Foundation, [1914].

"An elementary treatise on cooperative banking, containing questions and answers concerning methods of organization and operation, necessary books and forms, suggested by-laws and the credit union law of New York." The introduction contains considerable historical and explanatory matter.

HAMMATT, T. D. . . .

COOPERATION IN MARKETING KANSAS WHEAT. Kans. State Bd. Agr. [Quart. Rpt. June, 1922] v. 41, no. 162, 133 p., illus. 1923.

Certain aspects of the wheat marketing situation in Kansas are pointed out and several Canadian and California enterprises are described to call attention to the three leading types of modern cooperative marketing.

HARRIS, EMERSON PITT. (New York, N. Y. *b.* 1853. "Recognized as among the foremost authorities on the business and economics of publishing technical, trade, and other specialized periodicals." President, Montclair Cooperative Store Society. A student of and writer on consumers' cooperation.)

CO-OPERATION: THE HOPE OF THE CONSUMER. 329 p., illus. New York, The Macmillan Co., 1918.

The author points out that the chief evils and faults of our present system of distribution are due to competition for profit. The remedy is indicated and practical details are given for the management of cooperative business.

HART-SYNNOT, RONALD. (Oxford, England, *b.* 1879. Bursar of St. John's College. Private secretary to Sir Horace Plunkett, 1909; Dean, faculty of agriculture and horticulture, University College, 1904–14; honored for distinguished military service.)

THE ENGLISH AGRICULTURAL CO-OPERATIVE MOVEMENT: A REPLY. Nineteenth Century 98: 903–915. 1925.

A reply to an article by L. F. Easterbrook, entitled "Why has agricultural cooperation failed?" in the issue of the Nineteenth Century for September, 1925.

HAWES, A. F. (Washington, D. C. Extension specialist in forestry, U. S. Department of Agriculture.)

COOPERATIVE MARKETING OF WOODLAND PRODUCTS. U. S. Dept. Agr. Farmers' Bul. 1100, 15 p., illus. 1920.

Because a large number of farmers' organizations purchase lumber cooperatively the writer believes that cooperative selling organizations for woodland products would prove highly advantageous. Plans, methods, and possibilities are discussed.

HEDBERG, ANDERS. (Stockholm, Sweden. . . .)

INTERNATIONAL WHOLESALE CO-OPERATION. 78 p., illus. (Manchester, Eng., National Co-operative Publishing Society, Ltd.) 1925.

The author is convinced that international wholesale cooperation is possible and desirable. In proof he describes the Scandinavian Cooperative Wholesale Society (Nordisk Andelsforbund) which serves the wholesale societies of Denmark, Sweden, and Norway.

HEDGES, HAROLD, and FILLEY, HORACE CLYDE. *See also* Filley, H. C.

CO-OPERATIVE MARKETING OF LIVESTOCK IN NEBRASKA. Nebr. Agr. Expt. Sta. Bul. 209, 38 p., illus. 1925.

As hogs are the most valuable of any single farm product in Nebraska, efficient livestock marketing methods are of great interest to farmers of that state. This analysis of marketing costs and discussion of shipping practices is designed to give a clearer understanding of the problems involved.

HERRICK, MYRON TIMOTHY, and INGALLS, RALPH. (Herrick, Myron Timothy, Paris, France. *b.* 1854. U. S. ambassador to France, 1921– . Governor of Ohio, 1903–1906; ambassador to France, 1912–1914.)

HOW TO FINANCE THE FARMER. PRIVATE ENTERPRISE, NOT STATE AID. U. S. Congress, 64th, 1st Sess., Senate Doc. 396, 72 p. 1916.

A report to the Governor of Ohio from the Ohio State committee on rural credits and cooperation, of which Mr. Herrick was chairman. The history of the origin of the rural credits movement is related and its development traced. Each type of land-credit institution is analyzed, showing its strong and weak points and its possibilities of adaptability to American conditions.

See also United States Department of State, Preliminary report on land and agricultural credit in Europe.

RURAL CREDITS, LAND AND COÖPERATIVE. 519 p. New York and London, D. Appleton & Co., 1914.

Mr. Herrick's position as Ambassador to France has given him a point of vantage for studying the subject of rural credits in which he has long been interested. The information collected is presented for the benefit of the American people. The systems of credit which various countries have established are described at length. The forms and uses of credit are discussed, also the principles of cooperative credit and their application.

HERTEL, HANS. (*b.* 1859.)

A SHORT SURVEY OF AGRICULTURE IN DENMARK. 69 p., illus. Copenhagen, Royal Danish Agricultural Society, 1925.

A compilation of the outstanding facts and figures regarding agricultural conditions in Denmark, designed for the use of foreigners visiting the country. Published in English, French, German, and Danish. One chapter deals with the cooperative movement and one with agricultural education.

CO-OPERATION IN DANISH AGRICULTURE. 176 p. London, New York [etc.], Longmans, Green and Co., 1918.

An English adaptation of "Andelsbevoegelsen." Translated by Harald Faber.

HIBBARD, BENJAMIN HORACE (Madison, Wis. b. 1879. Professor of agricultural economics, University of Wisconsin, 1912– . Expert special agent, U. S. Census, 1911. *Author:* History of agriculture in Dane County, Wis., 1904; Effects of the Great War upon agriculture, 1919.)

AGRICULTURAL COOPERATION. Wis. Agr. Expt. Sta. Bul. 238, 45 p. 1917. (Ed. 2, revised.)

A comprehensive analysis of the subject and of the conditions which make for success or failure. The possibility of acquiring through cooperation a better understanding of markets and business methods is shown.

COÖPERATION IN THE GRAIN-ELEVATOR BUSINESS. *In* Bailey, L. H., Cyclopedia of American Agriculture, ed. 4, vol. 4, p. 267–269, illus. New York and London, Macmillan Co., 1912.

A brief history and description of the farmers' elevator system of the United States.

THE EXTENT OF CO-OPERATIVE MARKETING AMONG FARMERS TODAY AND THE RESULTS SECURED BY CO-OPERATIVE ASSOCIATIONS. Ann. Amer. Acad. Polit. and Social Sci. 117: 201–207. 1925.

A review of the situation with figures for 1923.

MARKETING AGRICULTURAL PRODUCTS. 389 p. New York and London, D. Appleton & Co., 1921.

The subject is taken up under the following divisions: Part I. The problems and mechanism of marketing. Part II. Reforms through general organizations and politics. Part. III. Reforms through cooperative business organization.

HIBBARD, BENJAMIN HORACE, and HOBSON, ASHER. *See also* Hobson, Asher.

COOPERATION IN WISCONSIN. Wis. Agr. Expt. Sta. Bul. 282, 44 p., illus. 1917.

A survey of the cooperative agricultural enterprises of the State, with details regarding each commodity group.

HIBBARD, BENJAMIN HORACE, and HOBSON, ASHER—Continued.

MARKETS AND PRICES OF WISCONSIN CHEESE. Wis. Agr. Expt. Sta. Bul. 251, 56 p., illus. 1915.

A study of the cheese industry of the State, covering organization, ownership, and control of factories, both private and cooperative, and the processes through which the cheese must pass from producer to consumer, including cost of marketing. The organization of the Sheboygan Cheese Producers' Federation is outlined.

HIBBARD, BENJAMIN HORACE, and ROBOTKA, FRANK. *See also* Robotka, Frank.

FARM CREDIT IN WISCONSIN. Wis. Agr. Expt. Sta. Bul. 247: 1–57, illus. 1915.

Two dissimilar areas, one in the southern and one in the northern and newer part of the State, were selected for this study. Efforts were made to determine the nature and amount of all indebtedness, also the opportunities and demands for credit. A need for personal credit in the northern section was revealed by the study. The "Ashland Dairy Plan" of credit is described.

HIBBARD, BENJAMIN HORACE, FOSTER, LEIGHTON GEORGE, and DAVIS, DEANE GRISWOLD. *See also* Foster, Leighton George.

WISCONSIN LIVESTOCK SHIPPING ASSOCIATIONS. Wis. Agr. Expt. Sta. Bul. 314. 22 p., illus. 1920.

The livestock business of the State is summarized for 1917 and 1918. History shows that the first two cooperative shipping associations were formed in 1908 and that the number had increased to 560 in 1919. Advantages to the growers and to the livestock industry in general are shown.

HISTORY OF COÖPERATION IN THE UNITED STATES. 540 p. Baltimore, Johns Hopkins Univ., 1888. (Studies in Historical and Political Science, ser. 6.)

This history was prepared by five writers, each one taking a certain section of the country and studying the attempts at cooperation of every form in that section from early times up to 1888. The enterprises described include community life, manufacturing, stores, insurance, agriculture, building and loan associations, and other forms of cooperation, with records of success or failure. All five writers agree that "one of the prime conditions of success of cooperation is the moral integrity of the cooperators."

I–II. Coöperation in New England, by Edward W. Bemis.

A scholarly study of the early efforts at cooperation, which though largely industrial, influenced the development of the movement. Cooperative banking is shown to have assumed large proportions. The analysis of the reasons for success or failure of various enterprises is of special interest. One chapter is devoted to profit sharing.

III. Coöperation in the Middle States, by Edward W. Bemis.

This paper is similar in form and character to the author's "Coöperation in New England," in the same volume. Different distributive, productive, and profit-sharing enterprises are described and discussed, including the first Rochdale store in America. The importance of the cooperative building associations is shown.

IV–VI. Cooperation in the Northwest, by Albert Shaw.

(Shaw, Albert, New York, N. Y. *b.* 1857. Founder and editor of American Review of Reviews. *Author*: Icaria: A chapter in the history of communism, 1884; Municipal government in Great Britain, 1894.)

Numerous cooperative enterprises, very few of which are agricultural, are described in this historical study. The discussion of of the granger movement and its influence is of particular value.

VII–VIII. Three phases of cooperation in the West, by Amos G. Warner.

(Warner, Amos G. *b.* 1861; *d.* 1900. Professor of applied economics, Leland Stanford University, 1893–1900; economist, Department of Charities, Washington, D. C.; general agent Baltimore Charitable Organization Society. *Author:* American charities, 1894.)

Of the three headings of this essay, (1) Cooperation among farmers, (2) Cooperation among wage earners, and (3) Cooperation among Mormons, only the first comes within the scope of this study. This deals with grange stores and supply houses and cooperative creameries, showing the methods of operating, the causes of failures, and the residual benefits.

HISTORY OF COÖPERATION IN THE UNITED STATES—Continued.

IX–X. Cooperation on the Pacific coast, by Charles H. Shinn.

(Shinn, Charles Howard. North Fork, Calif. *b.* 1852. Forest examiner, district 5, 1911. Head forest ranger, Department of the Interior, 1902, assigned to Sierra National Forest; conducts department of comments on people, events, and publications in Fresno Morning Republican. *Author:* Pacific rural hand book. 1879; Land laws of mining districts, 1884.)

Writing at a time when cooperation was new in that section, the author tells of a number of experiments, including two cooperative communities and several industrial societies, also giving a few pages to cooperation among the Chinese.

XI–XII. Cooperation in Maryland and the South, by Daniel R. Randall.

(Randall, Daniel Richard. Baltimore, Md. *b.* 1864. Lawyer; postmaster of Annapolis, 1900–1904; director, Farmers' National Bank.)

This historical study is confined largely to the States of Maryland and Texas as the only Southern States where cooperation had taken root in 1888. The survey revealed several cooperative manufacturing societies, a number of distributive societies, many building and loan and relief associations. A chapter on profit sharing is added.

HOBSON, ASHER. (Rome, Italy. *b.* 1889. Member of permanent committee, International Institute of Agriculture, 1922– . Specialist in market research, Columbia University, 1921–22; assistant chief, Office of Farm Management, U. S. Department of Agriculture, 1914–1921.) *See also* Hibbard, Benjamin Horace.

FARMERS' CO-OPERATIVE ASSOCIATIONS: THEIR LEGAL AND LEGISLATIVE ASPECTS. Amer. Econ. Rev. 11: 221–226. 1921.

The status of farmers' cooperative associations under the antitrust laws of the United States is outlined.

FUNDAMENTALS OF COOPERATIVE MARKETING. Journ. Farm. Econ. 3: 24–29. 1921.

After considering the factors involved the writer expresses the belief that "successful cooperatives are successful for the most part by reason of the fact that they have excelled their competitors in the game of business efficiency."

HOBSON, ASHER, and CHANEY, J. BURTON.

SALES METHODS AND POLICIES OF A GROWERS' NATIONAL MARKETING AGENCY. U. S. Dept. Agr. Bul. 1109, 36 p., illus. 1923.

As market surveys revealed the fact that cranberry growers fared better in times of stress than other producers, a detailed analysis was made of their marketing methods. The evolution of the present system of selling, during 26 years of experience, is described in the hope that it will present helpful suggestions to other groups.

HODSON, EDGAR A. (Fayetteville, Ark. Agent in cotton marketing demonstrations, Univ. of Arkansas, College of Agriculture.)

COOPERATIVE COTTON MARKETING IN ARKANSAS. Ark. Agr. Col. Ext. Circ. 156, 23 p., illus. 1923. (With an introduction by Bradford Knapp.)

The introduction is a statement of general principles of cooperative marketing associations, and the main portion of the bulletin presents data from the cotton marketing associations of the South to show what they have accomplished through putting these principles into practice.

HOLMES, GEORGE KIRBY. (Washington, D. C. *b.* 1856. Statistical scientist, U. S. Department of Agriculture, 1905– . Special agent, U. S. Census, 1890; delegate, International Institute of Agriculture, Rome. *Author:* Farms and home; real estate mortgages (both census of 1890); numerous publications of U. S. Department of Agriculture.)

SYSTEMS OF MARKETING FARM PRODUCTS AND DEMAND FOR SUCH PRODUCTS AT TRADE CENTERS. U. S. Dept. Agr., Off. Sec. Rept. 98, 391 p. 1913.

This report was prepared in the Bureau of Statistics under the immediate supervision of Mr Holmes in response to a provision in the agricultural appropriation act for the year ending June 30, 1913. The information regarding systems of marketing was derived from articles written by specialists of the Department of Agriculture and from reports from cooperative associations and other marketing agencies. Descriptive reports from 66 associations are included. The part of the document concerned with demand at trade centers was necessarily limited to such information as could be found in print and is tabulated by commodities.

HOLYOAKE, GEORGE JACOB. (*b.* 1817; *d.* 1906. One of the lecturers appointed to explain the social system of Robert Owen, 1841; founder of secularism; edited 30 volumes of The Reasoner, 1846–1866. *Author:* The cooperative movement of to-day, 1891; Sixty years of an agitator's life, 1892; Nature and origin of secularism, 1896; etc.)

THE HISTORY OF CO-OPERATION. 691 p. London, T. Fisher Unwin, 1906.

Sometimes called the "Bible of Cooperation." In the words of the author it is "An account of the origin and growth of cooperation, of the literature which fostered it, the persons who aided it, the principles which directed it, and the influence of cooperation on the future welfare of labour." The time covered is from the Owenite period down to 1904.

THE HISTORY OF THE ROCHDALE PIONEERS. Ed. 10, 191 p. London, Geo. Allen and Unwin Ltd.; New York, Chas. Scribner's Sons, 1907.

A comprehensive history of the subject. Part I was written in 1857 and gives a close view of early trials and successes. Part II was written 21 years later, when the development of the cooperative movement had brought a realization of its importance. A list of the original 28 pioneers is given. Personal sketches and anecdotes enliven the narrative.

HORACE PLUNKETT FOUNDATION.

A STUDENT'S LIST OF WORKS ON COOPERATION (AGRICULTURAL AND INDUSTRIAL) AND SOME ALLIED SUBJECTS. 20 p. London, Cooperative Reference Library, 1926.

Entries in this bibliography are classified under the following headings: Agricultural cooperation; industrial cooperation; cooperation in specific countries; cooperation in marketing; cooperative credit; miscellaneous: e. g., rural economics, general economics, agriculture, land, country life, labour, etc.

HOWE, FREDERICK CLEMSON. (New York City, *b.* 1867. Lawyer. Member Ohio senate, 1906-9; commissioner of immigration, Port of New York, 1914–19; formerly professor of law, Cleveland College of Law. *Author:* Taxation and taxes in the United States under the internal-revenue system, 1791–1895; The city the hope of democracy, 1909; Wisconsin, an experiment in democracy; etc.)

DENMARK, A CO-OPERATIVE COMMONWEALTH. 203 p. London, Geo. Allen & Unwin, Ltd., 1922.

The author considers Denmark "quite the most valuable political exhibit in the modern world," and describes the unique type of civilization she has developed within one generation. Political, social, economic, and educational conditions are discussed, showing how in all "the state is an agency for promoting the well-being of the people."

HULBERT, LYMAN SPAULDING, (Washington, D. C. *b.* 1885. Economist, Bureau of Agricultural Economics, U. S. Department of Agriculture. Examiner, packers and stockyards administration, U. S. Department of Agriculture, 1922–1925; Assistant in cooperative marketing, U. S. Department of Agriculture, 1917–22.)

LEGAL PHASES OF COOPERATIVE ASSOCIATIONS. U. S. Dept. Agr. Bul. 1106, 74 p. 1922. (Revised, 1923.)

Some of the legal questions which arise in connection with the organization and operation of a cooperative association are discussed from the standpoint of incorporated associations, with and without capital stock, and unincorporated associations. Among the subjects considered are the following: Contracts, promissory notes, monopolies-restraint of trade, Federal Trade Commission, specific performance, injunctions, income taxes.

HUMPHREY, JOHN REGESTER. *See also* Kerr, William Horace,; Nahstoll, George Anton.

(Humphrey, John Regester . . . . *b.* 1879. Head, department of markets, University of Kentucky, 1918–1920; investigator in market business practice, U. S. Department of Agriculture, 1914–1918.)

HUMPHREY, JOHN REGESTER, and KERR, WILLIAM HORACE.

LUMBER ACCOUNTING AND OPENING THE BOOKS IN PRIMARY GRAIN ELEVATORS. U. S. Dept. Agr., Markets Doc. 2, 12 p. 1916.

This document is supplemental to Department Bulletins 236 and 362, and is designed to furnish auxiliary forms for such elevators as wish to handle lumber.

HUMPHREY, JOHN REGESTER, and KERR, WILLIAM HORACE—Continued.

PATRONAGE DIVIDENDS IN COOPERATIVE GRAIN COMPANIES. U. S. Dept. Agr. Bul. 371, 11 p. 1916.

The matter of providing a method of distribution of patronage dividends which shall be economical and efficient is considered. The elevator companies are grouped for this purpose according to the plans under which they are organized, and suggestions are made for handling the accounting systems of each group.

A SYSTEM OF ACCOUNTS FOR FARMERS' COOPERATIVE ELEVATORS. U. S. Dept. Agr. Bul. 236, 30 p. 1915. (Reprinted as Bul. 362, 1916.)

The system of accounts here described is designed to provide a uniform and adequate system for the use of farmers' cooperative elevators. Instructions for the use of the system and samples of all necessary forms are included.

HUMPHREY, JOHN REGESTER, and NAHSTOLL, GEORGE ANTON. See also Nahstoll, George Anton.

ACCOUNTING RECORDS FOR COUNTRY CREAMERIES. U. S. Dept. Agr. Bul. 559, 37 p. 1917.

The advantages of standardizing accounting systems are discussed, a practical system is described, and all necessary forms are shown with explanations and comments.

INDIA. DEPARTMENT OF STATISTICS.

STATEMENTS SHOWING PROGRESS OF THE CO-OPERATIVE MOVEMENT IN INDIA DURING THE YEAR, 1919–20. 2 p., illus., Calcutta, Superintendent Government Printing, India, 1921.

This detailed record of the main statistics of the cooperative societies in the several Provinces of India for the year 1919–20 shows a steady increase in the number of societies and the amount of business since 1906–7. The information is arranged largely in the form of tables. A graphic map and a chart are also included.

INTERNATIONAL COOPERATIVE ALLIANCE.

INTERNATIONAL COOPERATIVE BIBLIOGRAPHY. 276 p. London, International Cooperative Alliance [etc.] 1906.

This bibligraphy includes 5,761 entries. Books, pamphlets, and periodical material in 12 languages are classified according to subject and country. Pages 72–102 are devoted to credits, making the work of great value to the student of that subject.

REPORTS OF THE PROCEEDINGS . . . OF THE INTERNATIONAL COOPERATIVE CONGRESSES, 1895 [TO DATE]. London [etc.] International Co-operative Alliance [etc.] 1895 to date.

A considerable number of authoritative reports and papers on subjects of interest to the student of cooperation are included in the reports of these congresses, held in alternate years.

STATISTICS OF COOPERATIVE SOCIETIES IN VARIOUS COUNTRIES. 330 p. London., International Cooperative Alliance [etc.] 1898.

The tables in this book were prepared by the statistical committee of the International Co-operative Alliance and cover data concerning distributive, productive, credit, agricultural, and other types of societies for the year 1896. All the information is printed in English, French, and German.

YEARBOOK OF INTERNATIONAL COOPERATION. London and Zurich, International Cooperative Alliance, 1910, 1912, 1913.

Issued by order of the central committee of the organization. They contain many statistical tables of cooperative enterprises in various countries, with explanatory matter.

INTERNATIONAL INSTITUTE OF AGRICULTURE.

AGRICULTURAL CREDIT AND COOPERATION IN ITALY. 35 p. Rome, Printed at the Institute's Printing Office, 1913.

A brief report on agricultural credit and cooperation prepared in advance to facilitate the work of the American Commission to Investigate and Study Rural Credit and Cooperation. Much of the information is presented in tabular form.

AN OUTLINE OF THE EUROPEAN CO-OPERATIVE CREDIT SYSTEMS. Ed. 2, 72 p. Rome, Institute's Printing Office, 1913.

A concise description of the credit systems in use in Germany, Austria, Italy, France, Belgium, Great Britain and Ireland and British India, showing how systems have been adapted to varying conditions, with some general conclusions.

INTERNATIONAL INSTITUTE OF AGRICULTURE—Continued.

THE INTERNATIONAL INSTITUTE OF AGRICULTURE: ITS ORGANIZATION—ITS WORK—ITS RESULTS. 44 p., illus. Rome, Printing Office of the Institute, 1915.

A historical and descriptive sketch of the early days of this organization, its founders, and its work.

MONOGRAPHS ON AGRICULTURAL COOPERATION IN VARIOUS COUNTRIES. 2 v., illus. Rome, Printing Office of the Institute, 1911–15.

Volume I contains studies of the cooperative enterprises of the following countries: Germany, Belgium, Denmark, British India, France, Great Britain and Ireland, Norway, Holland, Russia, Sweden.

Volume II, issued in 1915, tells of the cooperatives of Argentina, Austria, Hungary, Italy, and Switzerland.

PRELIMINARY REPORT ON THE SALE OF AGRICULTURAL PRODUCE BY PRODUCERS' COOPERATIVE SOCIETIES . . . OR DIRECTLY TO CONSUMERS. 21 p. Rome, International Institute of Agriculture, 1925.

A study was made to learn the degree in which the present method of distribution of foodstuffs affected the price levels, and how far it would be possible to reduce food costs by shortening the road to the consumer. The survey is an assemblage of facts rather than a statement of principles.

SYSTEMS OF RURAL COOPERATIVE CREDIT. U. S. Congress, 62d, 2d Sess., Senate Doc. 574, 48 p. 1912.

A study of the credit systems of Europe, compiled from articles published in the Bulletin of Economic and Social Intelligence. The principles of cooperative credit are traced and the methods in which these principles have been applied in various countries are outlined and compared, showing the different sources from which capital is derived, and other features.

INTERNATIONAL LABOUR OFFICE.

THE COOPERATIVE MOVEMENT IN SOVIET RUSSIA. 362 p. Geneva, 1925. (Studies and Reports, Series H, Cooperation no. 3.)

Part I deals with The Cooperative Movement During the Period of Communism; Part II, The New Economic Policy; Part III, Consumers' Cooperation under the New Economic Policy; Part IV, Recent Developments in the Consumers' Cooperative Movement. The report is based upon both cooperative literature and general Soviet publications. Due to the exigencies of the situation, the preface states that the statistics should be used with caution as they are incomplete and it was impossible to check their accuracy.

INTERNATIONAL WHEAT POOL CONFERENCE.

PROCEEDINGS OF THE INTERNATIONAL WHEAT POOL CONFERENCE AT ST. PAUL, MINNESOTA, FEBRUARY 16TH, 17TH, 18TH, 1926. 123 p. Winnipeg, Man., Dept. of Publicity and Statistics, Canadian Cooperative Wheat Producers, Ltd., [1926].

Representatives of cooperative wheat marketing associations of Australia, Canada and the United States met in St. Paul in February, 1926, to plan for an international organization to serve as a clearing house of information.

IRISH AGRICULTURAL ORGANIZATION SOCIETY.

REPORTS OF THE SOCIETY FOR THE YEARS 1895–1921. Dublin.

These reports show the progress of the Irish societies from year to year, with statistics and other data. Speeches by prominent cooperators are included.

JESNESS, OSCAR BERNARD. *See also* Bassett, Charles Elisha; Mehl, Joseph Martin.

(Jesness, Oscar Barnard, chief, section of markets, University of Kentucky, 1920– ; specialist in cooperative organization, U. S. Department of Agriculture, 1915–1920.)

COOPERATIVE MARKETING. U. S. Dept. Agr. Farmers' Bul. 1144, 27 p. 1920.

The purposes and possibilities of cooperative marketing are depicted, and details are given regarding the requisites for success.

THE COOPERATIVE MARKETING OF FARM PRODUCTS. 292 p., illus. Philadelphia, London [etc.] J. B. Lippincott Co., [1923].

A text book. Fundamental principles of cooperative marketing are outlined and numerous typical associations are described to illustrate specific points. Methods and forms of organization are described and various aspects of the subject are discussed.

JESNESS, OSCAR BERNARD—Continued.

COOPERATIVE POTATO MARKETING IN MINNESOTA. Univ. of Minn. Studies in social sci. 4. *In* Studies in the marketing of farm products, p. 39–56, illus. 1915.

A study of the cooperative potato marketing associations of the State. Dot maps illustrate the distribution of production and the distribution of warehouses.

THE PLANS AND ORGANIZATION OF CO-OPERATIVES. Jour. Farm. Econ. 7: 359–368. 1925.

A reply to "How shall cooperatives be organized?" by M. O. Tobriner, October, 1924. The federated and centralized types of organization are discussed and the adaptability of each to certain conditions is pointed out.

RELATION OF COOPERATIVE MARKETING TO THE ADJUSTMENT OF AGRICULTURAL PRODUCTION. Jour. Farm. Econ. 7: 176–190. 1925.

Paper read before the fifteenth annual meeting of the American Farm Economics Association, December 1924. This was followed by a discussion by Paul L. Miller.

JESNESS, OSCAR BERNARD, and KERR, WILLIAM HORACE, *See also* Kerr, William Horace.

COOPERATIVE PURCHASING AND MARKETING ORGANIZATIONS AMONG FARMERS IN THE UNITED STATES. U. S. Dept. Agr. Bul. 547, 82 p., illus. 1917.

A study of the cooperative purchasing and marketing associations of the country, showing their numbers and types, their distribution, volume of business, membership, and other features. Several representative types are described. Methods of financing and business practice are discussed. A digest of cooperative laws is added, also a bibliography.

JESNESS, OSCAR BERNARD, BARBER, WARREN H., SWARTHOUT, ARTHUR V., and CLEMENT, C. E. *See also* Swarthout, Arthur V.

PRODUCERS' COOPERATIVE MILK-DISTRIBUTING PLANTS. U. S. Dept. Agr. Bul. 1095, 44 p. 1922.

After discussing reasons for establishing such plants and stating certain essentials for success, detailed information is given regarding organization, financing and incorporation of the association, the location of the plant, arrangement, equipment, management, records, etc.

JOINT COMMISSION OF AGRICULTURAL INQUIRY.

JOINT COMMITTEE ON RURAL CREDITS.

JOINT HEARINGS BEFORE SUBCOMMITTEE, ETC.

All placed under United States Congress.

JONES, LLOYD. (*b.* 1811; *d.* 1886. Became an Owenite in 1832; a leader in the Owenite cooperative movement in England.)

THE LIFE, TIMES, AND LABOURS OF ROBERT OWEN. Ed. 2, 443 p. London, Swan Sonnenschein & Co.; New York, Charles Scribner's Sons, 1895.

A sympathetic biography of Robert Owen, upon whose teachings the cooperative movement was based. His long struggle to better the condition of the poor and oppressed, his plans for reforms, and the degree of success attained are depicted. The author states: "The interest of such a life lies in its practical wisdom and its faithfulness to principle, not in the completeness of success. The highest to be hoped by the wisest and ablest who engage in such a work is that . . . future success shall be reached by others."

JORDAN, F. R. . . .

AGRICULTURAL CO-OPERATIVE CREDIT SOCIETIES. N. S. Wales Dept. Agr. Farmers' Bul. 3, 40 p. 1909.

A compilation of information concerning the principal types of associations which have been established in Germany, Italy, France, and Ireland. These types are compared and discussed with regard to their applicability to conditions in New South Wales. The conclusion is reached that "no scheme of agricultural credit can have any prospect of success unless it is based upon the cooperative effort of the agriculturists themselves."

KANSAS STATE BOARD OF AGRICULTURE.

COÖPERATION IN KANSAS. Kans. State Bd. Agr. Bien. Rpt. (1913–14) 19: 154–246, illus. 1915.

An investigation of the cooperative enterprises of Kansas, with an analysis of the affairs of various types, suggested by-laws, and the corporation laws of 1913. Several successful organizations are described in

KANSAS STATE BOARD OF AGRICULTURE—Continued.
COÖPERATION IN KANSAS—Continued.
some detail, including the "largest cooperative store in the United States" and the "only Grange bank in the world," both located at Olathe, Kans.

KAYDEN, EUGENE M. (Sewanee, Tenn. Professor of economics, Univ. of the South, 1924– . Instructor, Yale University, 1920–22; agricultural economist, U. S. Department Agriculture, 1922–24.)
THE EVOLUTION OF CO-OPERATION IN RUSSIA. Econ. World (n. s. 25) 111; 116–117. 1923.
A summary of some outstanding facts in the evolution of Russian cooperation with comments on the inner nature of the movement.
CENTRAL CO-OPERATIVE BANKING IN RUSSIA. Jour. Polit. Econ. 32:15–55. 1924.
A review of the cooperative credit system of Russia from the first local credit societies through the exigencies of revolution, war, communism, Sovietism. The prominent part the cooperatives have played in these changes is brought out, especially the work of the Moscow Narodny Bank and its successor, the All-Russian Cooperative Bank.

KELLEY, OLIVER H. (*b.* 1826; *d.* 1913. Founder and first secretary of the National Grange. To his vision, faith, enthusiasm, and persistence must be given most of the credit for the establishment of the order.)
ORIGIN AND PROGRESS OF THE ORDER OF THE PATRONS OF HUSBANDRY. 441 p. Philadelphia, J. A. Wagenseller, 1875.
The Order of the Patrons of Husbandry, commonly known as the "Grange," had for its primary purpose the restoration of kindly feelings among the people after the Civil War. The story of the conception of the idea and its development, of the early struggles and the later successes, is told by the man whose idea it was. A large portion of the narrative is given by means of correspondence conducted during the first five years.

KEMMERER, EDWIN W. (Princeton, N. J. *b.* 1875. Professor of economics and finance, Princeton University, 1912– . Financial adviser to Philippine Commission, 1903; chief, division of currency, Philippine Is., 1904–6; professor economics and finance, Cornell University, 1909–12; financial adviser to Government of Mexico, 1917, and to Goverment of Guatemala, 1919. *Author:* Modern currency reform, 1916; Monetary system of Mexico, 1917; The A B C of the Federal Reserve System, 1918; High prices and deflation, 1920; and many others.)
AGRICULTURAL CREDIT. *In* Bailey, L. H., Cyclopedia of American Agriculture, ed. 4, v. 4, p. 269–276. New York and London, The Macmillan Co., 1912.
In view of a probable increase in the demand for agricultural credit, the author describes some of the more important plans in use in other countries.

KENKEL, JOSEPH BERNARD . . . (*b.* 1894)
THE COOPERATIVE ELEVATOR MOVEMENT. 155 p. Washington, D. C., Catholic University of America, 1922. (Thesis, Catholic Univ. Amer.)
A treatise on grain marketing at country points in the North Central States, showing how and why the farmers' elevator system was evolved, the structure and functions of the associations, the results achieved, and some factors of success.

KERR, WILLIAM HORACE. *See also* Bexell, John Andrew; Humphrey, John Regester; Jesness, Oscar Bernard; Macpherson, Hector; Nahstoll, George A. (Kerr, William Horace. *d.* 1917. Investigator in market business practice, U. S. Department of Agriculture, 1913–1917. Developed systems of accounting for cooperative associations.)

KERR, WILLIAM HORACE, and NAHSTOLL, GEORGE ANTON.
COOPERATIVE ORGANIZATION BUSINESS METHODS. U. S. Dept. Agr. Bul. 178, 24 p. 1915.
Detailed information regarding the business requirements of cooperative marketing associations for agricultural products, including systems of accounts, duties of officers, filing systems, auditing, and other features. A bibliography is included.

KILE, ORVILLE MERTON. (Washington, D. C. *b.* 1886. Agricultural writer; formerly county agent leader in West Virginia; assistant Washington representative of the American Farm Bureau Federation, 1921.)

KILE, ORVILLE MERTON—Continued.

THE FARM BUREAU MOVEMENT. 282 p., illus. New York, The Macmillan Co., 1921.

The background, structure, origin, and purpose of the farm bureau movement are discussed and its strength and weaknesses analyzed. The book covers the history and principles of former and contemporary agricultural organizations in the United States for purposes of comparison with the farm bureau and also "in an effort to present a picture of the true status of agricultural organization to-day."

KIRSCH, WILLIAM. (Madison, Wis. Research specialist, State Department of Markets.)

THE HISTORY AND ACCOMPLISHMENTS OF THE WISCONSIN CHEESE PRODUCERS' FEDERATION. Wis. Dept. Markets Bul., v. 6, no. 5, 23 p., illus. 1925.

In the light of ten years of successful cooperative marketing of American cheese, the writer analyzes the achievements of the federation to determine whether it has accomplished all its sponsors had in mind.

KNIGHT, M. M. . . .

PEASANT COOPERATION AND AGRARIAN REFORM IN RUMANIA. Polit. Sci. Quart. 35: 1–29. 1920.

After a brief historical introduction this study covers intensively the period 1895 to 1919, showing the character and extent of the movement.

LAIDLER, HARRY WELLINGTON. (New York, N. Y. *b.* 1884. President League for Industrial Democracy; editor The Labor Age. *Author:* Socialism in thought and action, 1920; Boycotts and the labor struggle, 1914; Public ownership throughout the world, 1918.)

THE BRITISH CO-OPERATIVE MOVEMENT. 16 p. New York, Co-operative League of America, 1918. (Reprinted from Pearson's Magazine.)

An outline of the history and management of the cooperative wholesale societies of England and Scotland, with observations on the possibilities of consumers' cooperation in the United States.

LANDIS, BENSON Y. (New York City. . . . .)

PACEMAKERS IN FARMERS' CO-OPERATION. 16 p., illus. [Lebanon, Pa., 1922.] (Reprinted from Home Lands, Presbyterian Board of Foreign Missions, Dept. of Church and Country Life, August and October, 1922.)

A study of 2,575 communities in 202 counties, well distributed in 44 states. Typical local and federated cooperatives are described and the subject of cooperation is discussed from several angles, in an attempt "to estimate the full significance of this important and rapidly growing movement."

SOCIAL ASPECTS OF FARMERS' CO-OPERATIVE MARKETING. 62 p., Chicago, Univ. of Chicago Press, [1925.]

A summary of the results of a preliminary study made to determine the extent of noncommercial activities of farmers' marketing organizations.

LANSDON, WILLIAM CLARENCE (Salina, Kans. *b.* 1853. Organizer and lecturer, National Farmers' Union, 1919– . Formerly professor, Kansas State College; editor and manager, Salina Daily Union, 1911–1918. *Author:* Laboratory methods of history, 1892; Rochdale principles and practice, 1919.)

CO-OPERATION: HISTORY, NECESSITY, METHODS. A TEXT BOOK FOR KANSAS CO-OPERATORS. 48 p. Salina, Kan., The Central Kansas Publishing Co., 1915.

In tracing the history of cooperation the author goes back to the Rochdale pioneers and their early struggles, and follows the development of the movement to proportions of great importanse in England and Denmark. The necessity for cooperation in this country is shown to have arisen largely on account of over-organized distribution which absorbs 60% of the retail prices of produce.

LEE, FREDERIC EDWARD. (Hyattsville, Md. *b.* 1886. Dean, College of arts and sciences, and professor of social and political science, University of Maryland, 1922– . Economist, Russian bureau, War Trade Board, 1918–19; U. S. consul to China, 1920–22.)

THE RUSSIAN CO-OPERATIVE MOVEMENT. U. S. Dept. Com., Bur. Foreign and Dom. Com., Misc. Ser. 101, 83 p. illus. 1920.

The cooperative movement in Russia from its beginnings in 1865 is traced, including the general history and a discussion of the three chief

LEE, FREDERIC EDWARD—Continued.

THE RUSSIAN CO-OPERATIVE MOVEMENT—Continued.

types of societies, consumers', producers', and credit. Several of the important organizations of each type are described in some detail, showing their remarkable growth and achievement and their equally remarkable influence on the life of the country, where they have proved the most stable element in the social and economic life through the disorganization following the war. The appendixes include information concerning the status of the cooperatives in the early days of Soviet Russia.

LEE, VIRGIL PORTER. (College Station, Tex. *b.* 1891. Professor agricultural economics, Agr. and Mech. College of Texas, 1923– .)

THE INTERMEDIATE CREDIT BANKS. Jour. Farm Econ. 7: 425–434. 1925.

Replying to certain critics of existing credit laws, the writer defines the special field of the intermediate credit banks and discusses several questions of policy.

LLOYD, EDWARD ARCHIBALD.

THE CO-OPERATIVE MOVEMENT IN ITALY, WITH SPECIAL REFERENCE TO AGRICULTURE, LABOUR AND PRODUCTION. 136 p. Westminster, The Fabian Society; [London] G. Allen and Unwin, Ltd., 1925.

A descriptive account of the three unique types of cooperative societies developed in Italy, agricultural societies, labor societies, and industrial production societies, and of the "almost total destruction of the existing cooperative organization, as the result of the political troubles which led to the assumption of power by the Fascist party." Some account is also given of the cooperatives established by the Fascist party.

LLOYD, JOHN WILLIAM. (Urbana, Ill. *b.* 1876. Professor olericulture, University of Illinois, 1911– . *Author:* Productive vegetable growing, 1914.)

CO-OPERATIVE AND OTHER ORGANIZED METHODS OF MARKETING CALIFORNIA HORTICULTURAL PRODUCTS. Univ. of Ill. Studies in social sci., v. 8, no. 1, 142 p. [1919].

A study of the conditions which led to the formation of cooperative marketing associations in California and what the associations have accomplished. Details and statistics are given for some of the larger associations.

LONG, CEDRIC. (New York City. Secretary of Executive Board of Cooperative League of the United States of America; President Consumers' Cooperative Housing Association.)

THE CO-OPERATIVE CONSUMERS' MOVEMENT IN THE UNITED STATES. Ed. 4, rev., 16 p. New York. Co-operative League of the U. S. A., 1926.

A concise but comprehensive and up-to-date summary of the status of many consumers' groups.

LUBIN, DAVID. (*b.* 1849; *d.* 1919. To David Lubin is due the credit for conceiving the idea of the International Institute of Agriculture and for taking measures to bring about its organization. In his mercantile business, his farming, and other activities, David Lubin instituted a "fight for fair dealing between individuals" which later developed into a "fight for fair dealing between nations." *Author:* Let there be light!)

ADAPTATION OF THE EUROPEAN COOPERATIVE CREDIT SYSTEM TO MEET THE NEEDS OF THE AMERICAN FARMER—REPORT TO THE INTERNATIONAL INSTITUTE OF AGRICULTURE ON THE CONFERENCE HELD AT NASHVILLE, TENN., APRIL, 1912. U. S. Congress, 62d, 2d Sess., Senate Doc. 855, 14 p., 1912.

A discussion of dynamic and static money and of the credit system of Europe. The need for a careful study of this system is shown, also some of the possibilities of the collective use of dynamic money.

LUCAS, JAMES. . . .

CO-OPERATION IN SCOTLAND. 93 p., illus. Manchester [Eng.] Co-operative Union Ltd., 1920.

A survey of the beginnings and growth of the cooperative movement in Scotland, with its distinctive features. The development of several associations is outlined. Tables of statistics covering the business of the Scottish Wholesale Society for many years are given in an appendix.

McCurdy, Rahno Mabel. (Los Angeles, California, assistant secretary, California Fruit Growers' Exchange.)

THE HISTORY OF THE CALIFORNIA FRUIT GROWERS EXCHANGE. 106 p., illus. Los Angeles, [G. Rice & Sons, printers] 1925.

A highly attractive booklet of well authenticated information, prepared in the belief that the story of the struggles of the citrus growers to stabilize their industry would be helpful to other producers, as well as being an interesting bit of agricultural history.

McDaniel, John, and Rogers, Daniel C.

(McDaniel, John, Columbia Mo. Wool specialist, State marketing bureau.)

WOOL MARKETING THROUGH REGIONAL POOLS. Missouri State Bd. Agr. Mo. Bul., v. 19, no. 10, 55 p., illus. 1921.

A detailed account of the operations of the 1921 wool pool, prepared for the benefit of the wool growers of the State. Much of the information is tabulated, and the descriptive text is supplemented with illustrations.

McKay, Andrew William. (Washington, D. C. *b.* 1883. Specialist in agricultural cooperation, U. S. Department of Agriculture, 1924–, specialist in market extension, 1921–1923. *Author:* Handling and transportation of western cantaloupes; Storage of northwestern apples, and other bulletins.)

MARKETING VERMONT MAPLE-SAP PRODUCTS. Vt. Agr. Expt. Sta. Bul. 227, 48 p., illus. 1922.

A review of the problems involved in the cooperative marketing of Vermont maple syrup and sugar, with a discussion of production costs, manufacturing processes and costs, and the market outlets for the products. A plan of organization, on which the present Vermont Maple Products Cooperative Exchange is based, is presented.

McKay, Andrew William, and Kuhrt, William J.

MANAGEMENT PROBLEMS OF COOPERATIVE ASSOCIATIONS MARKETING FRUITS AND VEGETABLES. U. S. Dept. Agr. Bul. 1414, 51 p., illus. 1926.

Among the many problems considered are the following: Volume of business; packing, storing and grading; inefficient sales service; retailing methods and margins; membership control; contracts; management; accounting records; pooling; financing; methods of sale; advertising.

McKay, Andrew William, and Stevens, W. Mackenzie.

OPERATING METHODS AND EXPENSE OF COOPERATIVE CITRUS-FRUIT MARKETING AGENCIES. U. S. Dept. Agr. Bul. 1261, 35 p., illus. 1924.

This publication dicusses in detail the operating methods of the cooperative associations affiliated with the California Fruit Growers' Exchange. Data are presented showing the expenses of packing and marketing citrus fruit through cooperative associations for the five-year period, 1917–1921, average transportation charges, and the margins of wholesale and retail dealers.

ORGANIZATION AND DEVELOPMENT OF A COOPERATIVE CITRUS-FRUIT MARKETING AGENCY. U. S. Dept. Agr. Bul. 1237, 68 p., illus. 1924.

The evolution of the cooperative marketing of citrus fruit in California, the organization of the associations and district exchanges affiliated to form the California Fruit Growers' Exchange, and the associated purchasing and by-products companies, are discussed in two publications. Two sections are devoted to a consideration of the economic services of the exchange and the principles on which it is organized.

McKay, Andrew William, Samson, H. W., Pailthrop, R. R., Flohr, L. B., Corbett, L. C., Hawkins, L. A., Magness, J. R., Gould, H. P., and Beattie, W. R.

MARKETING FRUITS AND VEGETABLES. U. S. Dept. Agr. Yearbook 1925: p. 623–710, illus. 1926.

A comprehensive survey, by a number of writers, of the fruit and vegetable industry of the country, showing its extent and the practices which have come into use in recent years in connection with handling various commodities. Profusely illustrated.

MACKIN, ROBERT L. (Publicity Director, South Dakota Wheat Growers' Assn.)

THE SOUTH DAKOTA WHEAT GROWERS ASSOCIATION: WHAT IT IS, HOW IT OPERATES, HOW IT IS MANAGED, ACHIEVEMENTS SINCE ORGANIZATION. 31 p. [Aberdeen] The South Dakota Wheat Growers' Association, 1926.

In addition to the contents indicated in the subtitle, there is a section given to wheat pooling in other States and countries.

MACKINTOSH, WILLIAM ARCHIBALD. (Kingston, Ont. *b.* 1895. Professor, Department of Economics, Queen's University.)

AGRICULTURAL COOPERATION IN WESTERN CANADA. 173 p., illus. Kingston, Queen's University; Toronto, The Ryerson Press, [1924].

As the scope of th s study is limited to the cooperative purchasing and marketing associations of the three provinces, Alberta, Saskatchewan, and Manitoba, the major part of the volume is given to the subject of grain and the agencies for handling grain. Livestock, wool, and dairy products associations are also described.

THE CANADIAN WHEAT POOLS. 28 p. Kingston, The Jackson Press, 1925. (Bulletin of the Departments of History and Pol tical and Economic Science in Queen's University, no. 51.)

The wheat pools of Canada's prairie provinces have attracted much attention in recent years. This study includes a thoughtful consideration of the subject of pool marketing and its possibil ties.

MACKLIN, THEODORE. (Madison, Wis. *b.* 1889. Professor agricultural economics, University of Wisconsin, 1919– ; formerly professor, Iowa State College and Kansas State College.)

COOPERATION APPLIED TO MARKETING BY KANSAS FARMERS. Kans. Agr. Expt. Sta. Bul. 224, 61 p., illus. 1920.

A survey was made of the cooperative enterprises in Kansas in 1916, and an analysis of the results is here presented including statistics and comments. The principles of successful cooperation are stated, together with the necessary steps for organization. Suggested constitution and by-laws are included.

EFFICIENT MARKETING FOR AGRICULTURE: ITS SERVICES, METHODS, AND AGENCIES. 418 p., illus. New York, The Macmillan Co., 1921.

Believing that better understanding by all concerned of the processes and principles involved will aid in better marketing, the author endeavors to clarify the necessary services which make up the marketing process and to point out where improvements can be made. Chapter XIII is devoted to a discussion of the fundamentals of cooperation and the distinction between the corporate idea and the cooperative idea.

FINANCIAL GAINS OF MARKETING SUCCESSFULLY THROUGH CO-OPERATION. Ann. Amer. Acad. Polit. and Social Sci. 117: 208–216. 1925.

Eight principal kinds of cooperative benefits are listed, of which three are tangible or financial, and five are intangible. The article is limited to consideration of one group of benefits, the financial gains which ordinarily flow to middlemen.

MARKETING BY COOPERATIVE SALES COMPANIES. Wis. Agr. Expt. Sta., Bul. 346, 32 p., illus. 1923.

As the writer believes that "The greatest improvements in marketing during recent years have come through the establishment and operation of sales companies, doing their work with minimum expense and rendering better service than was previously available," he describes and discusses in some detail the Wisconsin Cheese Producers' Federation, as a typical organization.

MARKETING BY FEDERATIONS. Wis. Agr. Expt. Sta. Bul. 322. 24 p., illus. 1920.

Certain essential services of the middleman are analyzed in order to show that these must be performed and paid for by some one and that they may be performed efficiently by federations. The affairs of the Wisconsin Cheese Producers' Federation are presented as an example for other Wisconsin groups desiring to federate.

MCNEILL, ALEX. (*b.* 1853; *d.* 1913. Chief, fruit division, Canadian Department of Agriculture, 1904–1913. Did much to further the cause of cooperation in Eastern Canada.)

McNeill, Alex—Continued.

CO-OPERATION IN THE MARKETING OF APPLES. Canada Dept. Agr., Dairy and Cold Storage Branch Bul. 18, 28 p. 1907.

The conditions of the markets for Canadian apples in the past are reviewed to show the causes which led to the formation of cooperative associations. The various factors of marketing are analyzed and the principles of cooperation stated.

Macpherson, Hector. *See also* Bexell, John Andrew.

(Macpherson, Hector, Corvallis, Oreg. *b.* 1875. Professor of economics and director bureau of markets, Oregon Agricultural College; member American Commission to Study and Investigate Rural Credits and Cooperation, 1913.)

THE BUSINESS SIDE OF FARMING. Part II. Practical problems in rural economics. Oreg. Agr. Col. Bul. 71, 87 p. [1911.]

Professor Macpherson analyzes our present marketing system and discusses plans for reducing the spread between producer and consumer. He points out education and cooperation as the remedies, outlining the results already obtained by certain cooperative marketing associations. He believes that "a satisfactory adjustment of farm prices can be finally accomplished only by an organization of city consumers as thoroughly and carefully managed as the marketing associations of farmers." A brief study of purchasing of farm supplies is included.

CO-OPERATIVE CREDIT ASSOCIATIONS IN THE PROVINCE OF QUEBEC. 96 p. Kingston, 1910. (Diss., Univ. Chicago.)

This dissertation shows the Quebec associations in their relation to the general cooperative movement, outlines the organization and operation of a typical French-Canadian cooperative credit association, and discusses the economic and social effects of these associations in Quebec and the possibilities of cooperative credit associations in Canada and the United States.

Macpherson, Hector, and Kerr, William Horace. *See also* Kerr, William Horace.

A FEDERATED COOPERATIVE CHEESE MANUFACTURING AND MARKETING ASSOCIATION. U. S. Dept. Agr. Yearbook 1916, 145–157. 1917.

This paper is a study of the methods of business administration of one of Oregon's associations which "has standardized the product of its member factories and eliminated unequal competition in matters of production and prices."

Maxwell, William. (Editor.) . . . (Mr. Maxwell is called "The greatest living cooperator." He was president of the Scottish Wholesale Society, 1881–1908; later president of the International Cooperative Alliance. "He took a leading part in the inception and development of all the productive industries of the (Scottish) society now in operation.")

FIRST FIFTY YEARS OF ST. CUTHBERT'S CO-OPERATIVE ASSOCIATION LIMITED 1859–1909. 275 p., illus. Edinburg, The Association, 1909.

An entertaining story of the ups and downs of this Scottish association from its founding in 1859 up to 1909. Frequent recourse to the records of the society was had for the compilation. Sketches and portraits of men who were prominent in the work are included.

THE HISTORY OF CO-OPERATION IN SCOTLAND: ITS INCEPTION AND ITS LEADERS. 398 p., illus. Glasgow, Scottish Section of Co-operative Union, 1910.

The author delves deep into the history of Scotland for records of the earliest attempts at cooperative enterprises, and traces the movement through the years to its present extensive proportions. Sketches of many of the early and modern societies and their leaders are included.

Mears, Eliot Grinnel, and Tobriner, Mathew O. *See also* Tobriner, Mathew O.

(Mears, Eliot Grinnel, Stanford Univ., Calif., Professor in Graduate School of Business, and lecturer in cooperative marketing, Leland Stanford, Jr., University. Formerly chief, trade commissioner division, U. S. Department of Commerce. *Author:* Modern Turkey.)

PRINCIPLES AND PRACTICES OF COÖPERATIVE MARKETING. 580 p., illus. Boston, New York [etc.], Ginn & Co. [1926].

According to the preface "This volume . . . is an interpretation of the significant problems, with prime emphasis on cooperative enterprise in the light of accepted knowledge derived from business organization and administration." The two concluding chapters give "an appraisal and summary of this significant movement."

MEHL, JOSEPH MARTIN. (Chicago, Ill. *b.* 1886. Grain supervisor, Grain futures administration, U. S. Department of Agriculture, 1924– . Manager, farmers' elevators, 1909–17; investigator in cooperative organization, U. S. Department of Agriculture, 1917–21; sec'y, U. S. Grain Growers, Inc., 1921–23.)

COOPERATIVE GRAIN MARKETING: A COMPARATIVE STUDY OF METHODS IN THE UNITED STATES AND IN CANADA. U. S. Dept. Agr. Bul. 937, 21 p., illus. 1921.

The different plans of marketing in the two countries are compared and the reasons for their development analyzed. Several of the large Canadian organizations are described, also several in the United States, with comparisons and conclusions.

THE FARMERS' PURCHASE POWER, HOW ORGANIZED. U. S. Dept. Agr. Yearbook 1919, 381–390. 1920.

A concise statement of approved methods for the organization of purchasing associations, with reasons for each step.

MEHL, JOSEPH MARTIN, and JESNESS, OSCAR BERNARD. *See also* Jesness, Oscar Bernard.

THE ORGANIZATION OF COOPERATIVE GRAIN ELEVATOR COMPANIES. U. S. Dept. Agr. Bul. 860, 40 p. 1920.

The authors state this to be "a plan of organization and method of procedure for persons required to assist in the formation of cooperative grain companies." Fundamental principles, forms of organization, and methods of procedure are discussed. Forms of by-laws and many general suggestions are added.

METCALF, RALPH. . . . (*b.* 1862. State senator in Washington several terms; member from Washington of the American Commission to Study Agricultural Credit and Cooperation, 1913. *Author:* Direct primary legislation, 1907.)

RURAL CREDITS IN GERMANY. U. S. Congress, 63d, 2d Sess., Senate Doc. 571, 37 p. 1914.

An address delivered before the Farmers' Union of Washington and Idaho. Mr. Metcalf was a member of the American Commission which visited Europe in 1913, and this description of the credit systems of Germany is the result of his personal observation and investigation.

METCALF, RALPH, and BLACK, CLARK G.

RURAL CREDIT, COOPERATION AND AGRICULTURAL ORGANIZATION IN EUROPE. REPORT OF . . . WASHINGTON MEMBERS OF THE AMERICAN COMMISSION WHICH STUDIED EUROPEAN CONDITIONS IN 1913. PRESENTED TO THE GOVERNOR AND LEGISLATURE FEB. 11, 1915. 293 p. Olympia, F. M. Lamborn, Public Printer, 1915.

Part I of this report discusses conditions in Europe and America and summarizes the result of the investigation. Part II describes agricultural conditions, organization and credit in 13 European countries, with notes on many personal visits of inspection. Part III is a report on the agricultural needs of the State of Washington, prepared at the request of the Governor.

MEYER, EUGENE, JR. (Washington, D. C. *b.* 1875. Managing Director, War Finance Corporation, 1918– .)

AGRICULTURAL AND LIVE STOCK CONDITIONS AND FINANCE. REPORT TO THE PRESIDENT. 8 p. Washington, Govt. Print. Off., 1922.

At the request of President Harding, Mr. Meyer made a trip through the country west of the Mississippi, covering over 11,000 miles, to study agricultural and livestock conditions. The report calls attention to improved conditions in some localities and makes various suggestions for the improvement of credit conditions.

MICHELL, HUMFREY. (Toronto, Ontario, Canada. *b.* 1883. Professor of political economy, McMaster University. *Author:* Profit sharing and producers' cooperation, 1918; numerous articles in reviews on economic subjects.)

THE GRANGE IN CANADA. 20 p. Kingston, The Jackson Press, [1914]. (Bulletin of the Departments of History and Political and Economic Science in Queen's University, no. 13.)

An outline of the troubled history and apparent demise of this order in Canada and the benefits it brought the country as seen in retrospect.

MICHELL, HUMFREY—Continued.

THE CO-OPERATIVE STORE IN CANADA. 22 p. Kingston, The Jackson Press, [1916]. (Bulletin of the Departments of History and Political and Economic Science in Queen's University, no. 18.)

The salient features of cooperation are stated, with a record of those associations which have succeeded and of those which have failed. The present status of the movement is described.

THE PROBLEM OF AGRICULTURAL CREDIT IN CANADA. 24 p. Kingston, The Jackson Press, [1914]. (Bulletin of the Departments of History and Political and Economic Science in Queen's University, no. 10.)

This bulletin summarizes the work of the Saskatchewan Royal Credit Commission, which studied the various credit systems and decided that the "landschaften" system was best adapted to the situation.

PEOPLE'S BANKS IN NORTH AMERICA. U. S. Congress, 63d, 2d Sess., Senate Doc. 580, 21 p. 1914.

The subtitle of this document is "A survey of the Desjardins system of cooperative banks in Canada and their adoption in the United States." It describes local conditions in Quebec to which M. Desjardins adapted the Luzatti type of credit bank, beginning with one small bank in 1900. It shows the expansion and influence of the system in Canada and its extension into New England. The by-laws of the first *caisse populaire* are given and the advantages of the system described.

MILLER, JOHN D. (Susquehanna, Pa. President, National Cooperative Milk Producers' Federation. First vice-president, Dairymen's League Cooperative Association.)

SOUND PRINCIPLES IN CO-OPERATIVE LEGISLATION. Ann. Amer. Acad. Polit. and Social Sci. 117: 227–230. 1925.

A brief résumé of the few principles which the writer considers essential.

MONTGOMERY, HUGH DE FELLENBERG. . . . (Member of the Irish Agricultural Board. *Author:* Irish lands and Irish rights. By an Irish landlord. 1881.)

NOTES ON AGRICULTURAL CO-OPERATION AND CO-OPERATIVE AGRICULTURAL CREDIT IN GERMANY. Ireland Dept. Agr. and Tech. Instr., Misc. Ser. Bul. 2, 108 p. 1906. (Revised.)

Ireland's great need for credit is shown, and this careful study of German cooperatives is presented, with comments regarding the applicability to Irish requirements of the various factors and methods.

MORGAN, DICK THOMPSON. (Woodward, Okla. *b.* 1854. Lawyer; member of 61st to 66th U. S. Congresses (1909–1921), 8th Oklahoma dist. *Author:* Morgan's digest of Oklahoma statutes and Supreme Court decisions, 1898; Morgan's school land manual, 1901.)

LAND CREDITS: A PLEA FOR THE AMERICAN FARMER. 299 p. New York, Thomas Y. Crowell Co., [1915].

The credit situation of the country is reviewed, showing the small proportion devoted to agriculture. The several rural credit bills before Congress, which later culminated in the enactment of the Federal farm loan act, are compared and discussed. The book is of interest as history of United States rural credit legislation.

MORMAN, JAMES BALE. (Kensington, Md. *b.* 1868. Formerly assistant secretary Federal Farm Loan Board; member from Maryland of American Commission to Study and Investigate Rural Credit and Cooperation, 1913. *Author:* Principles of social progress, 1900; The place of agriculture in reconstruction, 1919.)

BUSINESS COÖPERATIVE ORGANIZATIONS IN AGRICULTURE. *In* Bailey, L. H., Cyclopedia of American Agriculture, ed. 4, v. 4, p. 255–264, New York and London, The Macmillan Co., 1912.

The origin and extent of the cooperative movement in the United States and Canada is traced, with details regarding several commodity groups.

FARM CREDITS IN THE UNITED STATES AND CANADA. 406 p. New York, The Macmillan Co., 1924. (The Rural Science Series.)

As the author states in the preface, the aim of this book has been to set forth briefly the principal features and the practical results of the efforts during the past ten years of the two federal governments and the various state and provincial governments to provide land mortgage and personal credits for farmers. The viewpoint from which the subject is considered is that of the probable effect on the welfare of the farmers and the rural communities.

MORMAN, JAMES BALE—Continued.

THE PRINCIPLES OF RURAL CREDITS. 296 p. New York, The Macmillan Co., 1915.

Part I of this book, "Methods of financing farmers in European countries," is a summary for popular use of the information contained in the report of the American Commission, found in Senate Doc. 214. Part II presents "A constructive credit system for American farmers" as worked out by the author.

MOROSOFF, K. I. . . .

THE UNION OF SIBERIAN CO-OPERATIVE UNIONS—"ZAKUPSBYT." 15 p., illus. London. Published by the London Office of the Union of Siberian Co-operative Unions—"Zakupsbyt," 1919.

The union "Zakupsbyt" (from two words meaning purchase-sale) was organized in 1916 to provide a coordinating center for the cooperative movement. Its organization and progress are described, showing the functions of each department. A list of affiliated unions is given, also figures showing the turnover for the first three years.

MOSCOW NARODNY BANK.

THE MOSCOW NARODNY BANK: ITS HISTORY AND ACHIEVEMENTS, 1912–1917. 20 p. London, London Office of the Narodny Bank, [1917?]

A simple statement of the beginnings and development of this remarkable bank which was organized to provide capital for the cooperative societies of Russia, but soon found itself obliged to open departments for the wholesale purchase of agricultural machinery and other goods, and also for the sale of produce. Statistics are given for the first five years of operation.

MYRICK, HERBERT. (Wilbraham, Mass. *b.* 1860. Editor, Farm and Home; president Phelps Publishing Co. and Orange Judd Co.; director Federal Land Bank of Springfield. *Author:* The crisis in agriculture, 1900; etc.)

CO-OPERATIVE FINANCE: AN AMERICAN METHOD FOR THE AMERICAN PEOPLE. 327 p., illus. New York, Orange Judd Co., [etc.] 1912.

A plan devised by the author for a system of cooperative credit in the United States is here described. The book was published in 1912 in connection with an aggressive campaign conducted by the Orange Judd weeklies for the enactment of the currency law passed in December, 1913.

THE FEDERAL FARM LOAN SYSTEM. 239 p. New York, Orange Judd Co., 1916.

The author calls this volume "A practical manual upon organizing and conducting farm-loan associations, also joint-stock banks, showing how farmers, investors, bankers, and the public may obtain the fullest benefit of the system." The text of the Federal farm loan act is given in full.

HOW TO COÖPERATE. 349 p., illus. New York, Orange Judd Co., 1891.

A manual for cooperators, written to show the best plans and methods of cooperation rather than theories or reasons. Examples of successful enterprises are cited and information is given regarding their methods and the results. Also definite instructions are given as to how to start similar associations.

HOW TO USE THE NEW AGRICULTURAL CREDITS ACT OF 1923. 82 p. Chicago, Ill., Springfield, Mass. [etc.] Phelps Publishing Co., 1923.

An effort to popularize the new rural credits system, "the measure which opens the largest visions of usefulness of organized effort in improving agriculture and other industries, trade, and commercial affairs." Each of the agencies of the system is described and discussed, and the text of the act is appended. A practical manual for farmers, cooperators, bankers, and investors.

RURAL CREDITS SYSTEM FOR THE UNITED STATES. 240 p., illus. New York, Orange Judd Co., 1922.

The title-page states this book was "Prepared at the request of the Rural Credits Committee of the Farm Bloc of the U. S. Senate." The plan for the bill is epitomized on two pages preceding the title-page and discussed in the text. The proposed rural credits bill is given in full.

NAHSTOLL, GEORGE ANTON, and HUMPHREY, JOHN REGESTER. *See also* Kerr, William Horace; Humphrey, John Regester.

(Nahstoll, George Anton, Delta, Colo. *b.* 1885. Secretary-treasurer, Rupp & Nahstoll Produce Co.; investigator in market business practice, U. S. Department of Agriculture, 1913–1920.)

A SYSTEM OF ACCOUNTING FOR FRUIT SHIPPING ORGANIZATIONS. U. S. Dept. Agr. Bul. 590, 60 p., 1918.

A system of accounts devised especially for the use of local and assembling associations which market their output through a selling agent, and "it is intended to cover all operations incident to the handling of growers' supplies and of the growers' fruit." Samples of the various forms included in the system are shown and their use explained.

NATIONAL AGRICULTURAL CONFERENCE.

REPORT OF THE NATIONAL AGRICULTURAL CONFERENCE. U. S. Congress, 67th, 2d Sess., H. R. Doc. 195, 210 p. 1922.

The National Agricultural Conference, held in Washington, January 23–27, 1922, was called by the Secretary of Agriculture at the request of President Harding to consider the agricultural problems of the American people. It was probably the largest and most representative agricultural conference ever held in this country. This report contains a large number of addresses delivered before the conference, with reports of committees and subcommittees, and a list of the delegates.

NATIONAL ASSOCIATION OF STATE MARKETING OFFICIALS.

PROCEEDINGS OF ANNUAL MEETINGS, 1920 TO DATE. Albany, N. Y. [etc.] J. B. Lyon Co. [etc.] 1920 to date.

In addition to the transactions of the business meetings and reports of committees, a number of addresses by prominent speakers are given in each number.

NATIONAL CONFERENCE ON MARKETING AND FARM CREDITS.

PROCEEDINGS OF THE FIRST NATIONAL CONFERENCE IN CHICAGO, 1913. 232 p. [Chicago] Cooperating Farm Papers [1913.]

This first National Conference on Marketing and Farm Credits, held in Chicago, April 8–10, 1913, was sponsored and financed by the publishers of a number of farm journals, and all persons interested were invited to attend. This report contains the speeches and discussions of the meetings.

A COLLECTION OF PAPERS READ AT THE THIRD ANNUAL SESSIONS OF THE NATIONAL CONFERENCE ON MARKETING AND FARM CREDITS IN CHICAGO, 1915. 531 p. [Madison, Wisconsin, The National Conference on Marketing and Farm Credits, 1916.]

This meeting, held in Chicago, November 29–December 2, 1915, was considered an epoch-making conference. The problem for consideration was *how* to organize the agriculture of the country.

A COLLECTION OF PAPERS AND DOCUMENTS READ AT THE FOURTH ANNUAL SESSIONS OF THE NATIONAL CONFERENCE ON MARKETING AND FARM CREDITS IN CHICAGO, 1916. 546 p. [Madison, Wisconsin, The National Conference on Marketing and Farm Credits, 1917.]

Nearly 2,000 persons attended this conference, which "marks the transition in economic thought from the theoretical to the practical." Special efforts were made to secure speakers who could tell how to do the necessary things. Constructive plans were presented for working out systems for land and personal credit and for cooperative marketing.

NATIONAL COUNCIL OF FARMERS' COOPERATIVE MARKETING ASSOCIATIONS.

PROCEEDINGS OF THE SECOND, THIRD, AND FOURTH NATIONAL COOPERATIVE MARKETING CONFERENCES, WASHINGTON, D. C., 1924–1926. Published by the Association, 1924–26.

A compilation of addresses delivered at the meetings, also discussions, reports, etc.

NEBRASKA DEPARTMENT OF AGRICULTURE, BUREAU OF MARKETS AND MARKETING.

CO-OPERATIVE ASSOCIATIONS: A SURVEY OF THE CO-OPERATIVE ASSOCIATIONS IN NEBRASKA FOR THE YEAR 1919. Nebr. Dept. Agr. Bul. 108, 16 p. [1919].

The results of a survey are given, with tabulations and discussion of the data secured, also a summary of the conclusions reached.

CO-OPERATIVE ASSOCIATIONS: A SURVEY OF THE CO-OPERATIVE ASSOCIATIONS IN NEBRASKA FOR THE YEAR 1920. Nebr. Dept. Agr. Bul. 109, 22 p. [1920].

This bulletin gives the results of a survey and compares the data with those secured in the previous year.

NEBRASKA DEPARTMENT OF AGRICULTURE, BUREAU OF MARKETS AND MARKETING—Continued.

SUCCESSFUL CO-OPERATION: AN ANALYSIS OF SUCCESSFUL CO-OPERATIVE COMPANIES IN NEBRASKA. Nebr. Dept. Agr. Bul. 111, 20 p. illus. [1922].

The information on which this bulletin is based was secured through reports and personal visits. The relation between certain causes and results is pointed out, and suggestions are made for the successful conduct of cooperative business.

NEW YORK STATE DEPARTMENT OF AGRICULTURE.

MANUAL ON COÖPERATION. N. Y. Dept. Agr. Circ. 94, 33 p. 1914.

Included in this manual the reader will find "A primer of cooperation" in which salient facts are tersely stated; short articles describing three successful cooperative associations, two of which are stores and one a fruit exchange; also an article on cooperation in Europe by two members of the American Commission to Study and Investigate Rural Cooperation and Credit in European Countries.

PROCEEDINGS OF THE FIRST ANNUAL CONFERENCE OF COOPERATIVE ASSOCIATIONS. N. Y. Dept. Agr. Bul. 63, p. 2201–2328, illus. 1914.

A meeting of representatives of 47 associations, held in Utica, N. Y., July 22–23, 1914, is here reported. Addresses, general discussion of plans and purposes, round-table meetings, and reports of the work of the assembled associations, are included.

NICHOLSON, ISA. . . .

OUR STORY: (THE CO-OPERATIVE MOVEMENT.) 80 p., illus. Manchester, The Cooperative Union, Ltd., 1919.

The little volume tells of the time and life of Robert Owen, of the early struggles of the Rochdale Pioneers, of the trials, failures, and successes of various cooperative societies, and of the present status of the movement, with details regarding the Cooperative Wholesale Societies of England and Scotland.

NORTHERN STATES CO-OPERATIVE LEAGUE.

YEAR BOOK: AN ANNUAL OF CONSUMERS' CO-OPERATIVES IN THE NORTH CENTRAL STATES OF THE U. S. A. First, 1925; second, 1926. Fergus Falls, Free Press, 1925; Minneapolis, Minn., Imperial Print Co., 1926.

The activities of the Northern States Cooperative League and its constituent societies are described in detail, including the several educational projects promoted by the League. Tabulated reports of many cooperative stores are included, also short articles by recognized writers on cooperation.

NOTZ, WILLIAM. (Washington, D. C. *b.* 1879. Chief, export trade div., Federal Trade Commission, 1919– . Investigated cooperative movement in Europe for Federal Trade Commission, 1923; lecturer, Georgetown University, School of Foreign Service, 1919– . *Author:* Monopolies in the ancient Orient, 1917; Government reports, and contributions to scientific periodicals.)

TRYING OUT COOPERATIVE BANKING IN FOREIGN COUNTRIES. Amer. Bankers Assoc. Jour. 16:733–734; 759–760. 1924.

Out of the general cooperative movement more than 45 banking enterprises have developed. Of these about 30 serve consumers' cooperative societies, none are primarily agricultural credit banks, some serve labor unions chiefly, and others engage in export and import business. A number of typical banks are described in some detail.

NOURSE, EDWIN GRISWOLD. (Washington, D. C. *b.* 1883. Chief agricultural economist, Institute of Economics, 1925– . Professor of agricultural economics, and chief of agricultural economics section, experiment station, Iowa State College, 1918–23. *Author:* Agricultural economics, 1916; Outlines of agricultural economics, 1917.)

AMERICAN AGRICULTURE AND THE EUROPEAN MARKET. 333 p. New York [etc.] McGraw-Hill Book Company, Inc., 1924. (Institute of Economics, Investigations in International Economic Reconstruction.)

In order to consider intelligently the prospects for agricultural exports to Europe in the years immediately ahead, the writer has studied "(1) the effects of European development upon American agriculture prior to 1900, (2) the changed conditions near the end of the century, (3) the effects of the World War upon our agriculture, and (4) the world-wide conditions making for the present depression in American agriculture."

NOURSE, EDWIN GRISWOLD—Continued.

THE ECONOMIC PHILOSOPHY OF CO-OPERATION. Amer. Econ. Rev. 12:577–597. 1922.

Three "fundamentals" which are generally held to have constituted the theoretical basis of the practical success of cooperative societies, are stated by the author to be, (1) Increased or reduced cost of services, (2) popular distribution of savings or profits, and (3) democratic control. Each of these tenets is discussed at length.

FIFTY YEARS OF FARMERS' ELEVATORS IN IOWA. Iowa Agr. Expt. Sta. Bul. 211; [235]–271, illus. 1923.

History, statistics, and thoughtful interpretation of many factors combine to make this study a valuable contribution to the literature on the subject.

THE OUTLOOK FOR COOPERATIVE MARKETING. Jour. Farm Econ. 4:80–91. 1922.

While foreseeing a brilliant future for the cooperative movement, Dr. Nourse analyzes the whole situation and points out some pitfalls and limitations. A discussion by H. W. Moorhouse follows.

NOURSE, EDWIN GRISWOLD, and HAMMANS, CHARLES WAYNE.

COOPERATIVE LIVESTOCK SHIPPING IN IOWA IN 1920. Iowa Agr. Expt. Sta. Bul. 200: [403]–436, illus. 1921.

A survey of the associations of the State was made to determine the history of the movement, its magnitude, the business methods employed, the achievements, and the outlook for the future. The magnitude of the business proves its importance. Other factors are discussed somewhat in detail and many tables are included.

NOURSE, EDWIN GRISWOLD, and ROBOTKA, FRANK. *See also* Robotka, Frank.

ORGANIZING AND OPERATING COOPERATIVE LIVESTOCK SHIPPING ASSOCIATIONS. Iowa State Coll. Agr. Ext. Service Bul. 85, 16 p. 1921.

The cooperative livestock shipping movement in Iowa grew from one association in 1904 to 650 in 1920, shipping nearly 50,000 cars of stock a year. The extension service of the State college presents this circular for the guidance of others wishing to organize.

OGATA, KIYOSHI. (Tokio, Japan. Professor of the Special Department of Commerce, Tokio University of Commerce.)

THE COOPERATIVE MOVEMENT IN JAPAN. 362 p., illus. London, P. S. King & Son, Ltd., 1923.

The writer believes his volume to be the first detailed record of cooperation in Japan, from the earliest primitive forms, dating back seven or eight centuries, down to the present day. Many readers will be surprised to learn the extent of the modern movement which is fostered by the government. Statistics show that of the agricultural population practically half belong to at least one cooperative society.

OHIO WOOL GROWERS' COOPERATIVE ASSOCIATION.

THE STORY OF THE OHIO WOOL GROWERS' COOPERATIVE ASSOCIATION. 16 p. illus. [Columbus, 1926.]

A brief history of the organization and its achievements.

OLSEN, NILS ANDREAS, BRANNEN, C. O., CADISCH, G. F., AND NEWTON, R. W.

(Olsen, Nils Andreas, Washington, D. C. *b.* 1886. Assistant Chief, Bureau of Agricultural Economics, U. S. Department of Agriculture, 1925– . General farming; teaching; assistant agricultural economist, 1919–22.)

FARM CREDIT, FARM INSURANCE, AND FARM TAXATION. U. S. Dept. Agr. Yearbook, 1924; 185–284, illus. 1925.

A study of the rural credit situation and needs of the country and how these needs are being met by the Federal Farm Loan System and other agencies. Profusely illustrated with maps and charts. The various types of farmers' mutual insurance companies are also described.

OREGON. STATE LAND BOARD, RURAL CREDITS DEPARTMENT.

FIRST REPORT . . . FEBRUARY 20, 1917, TO SEPTEMBER 30, 1918. 28 p. Salem, Oregon State Printing Department, 1918.

A complete record of all loans made is transmitted to the legislative assembly in this report, also a summary of fees received, statement of amounts expended, and list of warrants drawn on the rural credits expense fund.

PAÑCHĀNANADĀSA MUKHOPĀDHYĀYA. (MUKHERJI, PANCHANANDAS.) (Calcutta, India. Professor of Economics, Presidency College, Calcutta; assistant editor, Bengal Cooperative Journal. *Author:* Indian Constitutional documents, 1773–1915. *Editor:* Indian Citizen series.)

PAÑCHĀNANADĀSA MUKHOPĀDHYĀYA—Continued.

THE COOPERATIVE MOVEMENT IN INDIA. Ed. 2, 453 p. Calcutta and Simla. Thacker, Spink & Co., 1917.

A survey of the cooperative movement in India from its earliest stages, showing its phenomenal growth and its great possibilities. The features peculiar to Indian societies are explained and model by-laws for different kinds of societies are given, as are also the cooperative societies acts of 1904 and of 1912.

PARKER, FLORENCE EVELYN. (Comp.) Washington, D. C. Bureau of Labor Statistics, U. S. Department of Labor.)

CONSUMERS' COOPERATIVE SOCIETIES IN THE UNITED STATES IN 1920. U. S. Dept. Labor, Bur. Labor Statis. (Misc. Ser.), Bul. 313, 146 p. 1923.

A survey made in 1920, largely by mail, formed the basis for this bulletin. The information secured is thoroughly classified and analyzed; numerous tables are introduced and a summary of the general features of the laws of each state is appended, also a directory of consumers' societies.

THE COOPERATIVE MOVEMENT; A SELECTED BIBLIOGRAPHY. U. S. Dept. Labor, Bur. Labor Statis. Mo. Labor Rev., 20 (3): 201–232. 1925.

Entries are classified under the following headings: General: agricultural, consumers', banking and credit, workers' productive cooperation; followed by a classification by countries. Contents of the more important works are indicated.

PEARSON, RAYMOND ALLEN. (College Park, Md., *b.* 1873. President, University of Maryland, 1926–. President, Iowa State College 1912–1926. Assistant chief, Dairy Division, U. S. Department of Agriculture, 1895–1902; commissioner of agriculture, New York State, 1908–1912; Assistant Secretary U. S. Department of Agriculture, 1917–18.)

AGRICULTURAL ORGANIZATIONS IN EUROPEAN COUNTRIES. Albany. N. Y. Dept. Agr. Bul. 66, p. 451–636, illus. 1914.

A report of an investigation of agricultural organizations in Europe, authorized by the New York State Department of Agriculture. Doctor Pearson tells of his visits to 15 countries and describes the outstanding features of certain associations in each country.

PELLERVO SEURA. (PELLERVO SOCIETY.)

A QUARTER OF A CENTURY OF CO-OPERATION IN FINLAND. 45 p., illus. Helsinki, [Govt. Print. Off.] 1924.

As the Finnish societies were developed "from the center outward by a preconceived plan," the twenty-fifth anniversary of the Pellervo Society was an anniversary for the entire movement. In view of the remarkable progress made it was considered advisable to print this survey in English, French, German, and Swedish.

PERKY, CHEVES WEST . . . (In 1916–17 secretary of the Cooperative League of America. Made an extensive survey of cooperative societies for Intercollegiate Socialist Society.)

COOPERATION IN THE UNITED STATES. 31 p. New York, The Co-operative Press, 1917.

A brief outline of various cooperative enterprises in the United States, from a socialistic point of view.

PETERS, EDWARD THOMAS. (*b.* 1835. *d.* 1924. Agent, foreign statistical agent, and clerk, U. S. Department of Agriculture, 1883–1920, spending two years in Europe.)

COÖPERATIVE CREDIT ASSOCIATIONS IN CERTAIN EUROPEAN COUNTRIES, AND THEIR RELATION TO AGRICULTURAL INTERESTS. U. S. Dept. Agr., Bur. Statis. (Misc. Ser.) Rpt. 3, 117 p. 1892.

This report covers an exhaustive study of early credit associations, including the conditions which led to their formation, their purposes, accomplishments, and influence. The subject is discussed under the following headings: German credit unions, Raffeisen loan associations, People's banks of Austria-Hungary, Cooperative banking in Italy, Cooperative banks in Russia.

PHILLIPS, HAROLD DEANE. (Albany, N. Y. *b.* 1888. Director, New York State Bureau of Markets and Storage.)

COOPERATIVE MARKETING IN THE CHAUTAUQUA-ERIE GRAPE INDUSTRY. Ithaca, N. Y., Cornell Agr. Expt. Sta. Mem. 28, 94 p., illus. 1919.

The peculiar difficulties connected with the marketing of grapes in this section are outlined, and the history is given of several attempts at cooperative marketing. In spite of many defects and failures, these organizations have aided in bringing a considerable measure of relief to the grape growers.

PLUNKETT, HORACE CURZON. (Dublin, Ireland. *b.* 1854. Promoter of agricultural cooperation since 1889; cattle rancher in the United States 10 years; founder of Irish Agricultural Organization Society, 1894; member Parliament, Dublin County, 1892–1900; vice president, Department of Agriculture and Technical Instruction for Ireland, 1899–1907.

IRELAND IN THE NEW CENTURY. Ed. 3, 340 p. London, John Murray, 1905.

The Irish question is surveyed from its historical, political, and religious sides, in an attempt to focus thought upon definite work leading to reconstruction of Irish life. The story is told of the cooperative movement in Ireland, beginning in 1889, founded upon the principle of self-help and aided by the establishment of a governmental department, resulting in a gratifying situation with a hopeful outlook for the future welfare of the country.

THE RURAL LIFE PROBLEM OF THE UNITED STATES. 174 p. New York, The Macmillan Co., 1913.

With a point of view derived from many years of Irish and American experience, the author points out that the reconstruction of rural life in the United States is essential to the progress of western civilization. He shows the urgent need for measures to bring about "better farming, better business, and better living," of which better business must come first.

THE HORACE PLUNKETT FOUNDATION; ITS ORIGIN, PRINCIPLES, AND PROGRAMME. 16 p. London, The Horace Plunkett Foundation, 1926.

After devoting 30 years to the promotion of the cooperative movement in Great Britain and Ireland, Sir Horace Plunkett founded this institution in 1919 to insure the continuation and extension of his work.

POE, CLARENCE. (Raleigh, N. C. *b.* 1881. Editor, Progressive Farmer, 1899– , and president, Progressive Farmer Company since 1903. Member North Carolina State Board of Agriculture; studied agricultural cooperation in Europe, 1912. *Author:* A Southerner in Europe, 1908; Where half the world is waking up, 1911.)

HOW FARMERS COOPERATE AND DOUBLE PROFITS. 244 p. New York and London, Orange Judd Co. [etc.], 1915.

This volume is intended as "a guidebook to business cooperation among farmers." The author contends that the farmer must assume complete control of his own business and must learn economy of production and economy of distribution.

POISSON, ERNEST. (Secretary of the French National Federation of Consumers' Cooperative Societies.)

THE COOPERATIVE REPUBLIC. Translated from the French by W. P. Watkins. 226 p. London, T. Fisher Unwin Ltd.; Manchester, Cooperative Union Ltd., 1925. [Not examined.]

POPE, JESSE ELIPHALET. (Washington, D. C. . . .)

THE FEDERAL FARM LOAN ACT. 58 p. Washington, D. C. [National Capital Press, Inc.] 1917. (Bureau of Applied Economics, Department of Banking and Public Finance, Bul. No. 1.)

A criticism of the Federal farm loan act which the writer believes to be "a measure most unwisely conceived and most faultily carried out." However, he states that in his criticism he has endeavored to remember that "an act may be very imperfect in form and wise in substance."

POR, ODON. . . .

GUILDS AND CO-OPERATIVES IN ITALY. Translated by E. Townshend. Introduction by AE. 197 p. London, The Labour Publishing Co., Ltd. [1923.]

In a country where labor is the greatest asset, cooperative enterprises developed along unique lines, including agricultural, labor, and industrial production societies. The writer has a vision of the various guilds of workers offering themselves to the nation for public service, thus becoming a source of strength and security.

POTTER, BEATRICE. (MRS. SYDNEY WEBB.) (London. *b.* 1858. Personally investigated social and industrial conditions; member royal committee on poor law and unemployment, 1905–1909; honorable secretary of national committee for prevention of destitution since 1909. *Author* (with her husband): History of trade unionism; The consumers' cooperative movement; Industrial democracy, etc.)

POTTER, BEATRICE. (MRS. SYDNEY WEBB)—Continued.

THE CO-OPERATIVE MOVEMENT IN GREAT BRITAIN. 244 p., illus. London, Swan Sonnenschein & Co., 1891.

A comprehensive study of the history and growth of cooperation in Great Britain from its earliest beginnings up to 1891, with an analysis of the theories of the Christian Socialists. The limitations and possibilities of a cooperative state are discussed.

POWELL, GEORGE HAROLD. (*b.* 1872; *d.* 1922. General manager, California Fruit Growers' Exchange, 1911–22. Pomologist in charge of transportation and storage investigations, U. S. Department of Agriculture, 1904–1909; assistant chief, Bureau of Plant Industry, 1909–11.)

COÖPERATION IN AGRICULTURE. 327 p., illus. New York, The Macmillan Co., 1913.

A full discussion by a well-known authority of the principles involved in successful cooperation among farmers of the United States. Suggestions are made for organization, financing, and management of associations for handling various types of crops and for the application of cooperative principles to rural credit and other lines of effort. A bibliography is included.

COOPERATION IN THE HANDLING AND MARKETING OF FRUIT. U. S. Dept. Agr. Yearbook 1910: 391–406. 1911.

Mr. Powell discusses cooperation in the West and in the East, the fundamental principles of cooperation, causes of failures, the organization and management of an association, and related problems, concluding with an outline of the exchange system of the California Fruit Growers' Exchange.

FUNDAMENTAL PRINCIPLES OF CO-OPERATION IN AGRICULTURE. Calif. Agr. Expt. Sta. Circ. 222, 24 p. 1920.

A clear and concise statement of fundamental principles.

POWELL, H. CLARK. (Pretoria, South Africa. Professor of Horticulture, Transvaal University College.)

THE CO-OPERATIVE ORGANISATION OF AGRICULTURE. Transvaal Univ. Col. Bul. 7, 28 p. [1926]. (Reprinted from Farmers Gazette, Feb.–Mar., 1926.)

Underlying principles of cooperative organization are discussed for the benefit of farmers of South Africa, who are showing a keen interest in the subject.

PRATT, EDWIN A. . . . (*Author:* American railways, 1903; British railways and the Great War, 1921; Canals and traders, 1910; The case against railway nationalization, 1913; etc.)

AGRICULTURAL ORGANISATION. 259 p. London, P. S. King & Son, 1912.

That agriculture is still the greatest industry of the United Kingdom and, therefore, deserves great consideration and encouragement is demonstrated. The evolution of the movement in England, its difficulties through the pioneering stage, and the present hopeful outlook under newly granted state recognition are depicted.

THE ORGANIZATION OF AGRICULTURE. 403 p. London, John Murray, 1904.

The movement in favor of agricultural organizations in the various countries is surveyed, showing how the cooperative spirit has roused the classes which had been regarded as the most hopeless victims of dull routine and narrow-minded individualism to take common action for common advantage. The issues between British railroads and agriculture are analyzed and the railroads commended for their friendly attitude toward agriculture. Self-help and mutual aid are recommended for agriculture rather than state aid.

TRADERS, FARMERS, AND AGRICULTURAL ORGANISATION: AN INQUIRY INTO AN ALLEGED CONFLICT OF INTERESTS. 31 p. London, P. S. King & Son, 1912.

The author presents an argument that organization is indispensable to British agriculture; that direct dealings between groups of consumers and producers will advance the legitimate interests of both while doing away with unnecessary middlemen; and that the state is justified in extending abundant support to the movement for organization.

PRICE, HUGH BRUCE. (St. Paul, Minn. Associate professor, agricultural economics, University of Minnesota 1921–; field agent in marketing, and agent in city marketing, U. S. Department of Agriculture, 1919–1922. *See also* Durand, Edward Dana.)

PRICE, HUGH BRUCE—Continued.

FARMERS' CO-OPERATION IN MINNESOTA, 1917–1922. Minn. Agr. Expt. Sta. Bul. 202, 78 p., illus. 1923.

Statistics of the Minnesota associations since 1917 are analyzed and the important developments pointed out. Data for each commodity group are presented in summary and in detail. Much of the information was secured by personal interviews.

POSSIBILITIES OF IMPROVING MARKETING THROUGH BETTER ORGANIZATION. Jour. Farm Econ. 5: 129–146, illus. 1923.

The situation is analyzed largely on the basis of costs and their relations. The paper was read before the annual meeting of the American Farm Economic Association, December, 1922, and was discussed by R. M. Green.

PRICE, H. BRUCE, and ARTHUR, CHARLES M.

MANAGEMENT PROBLEMS OF FARMERS' ELEVATORS. Minn. Agr. Expt. Sta. Bul. 224. 94 p., illus. 1925.

The authors state their purpose to be "to discuss the practices of farmers' elevators and to point out the elements of strength and weakness in farmer elevator operation."

PUTNAM, GEORGE E. (Chicago. *b.* 1887. Consulting economist, Swift & Co., 1920– . Associate professor of economics and commerce, University of Kansas, 1911–16; Professor of economics, Washington University, 1917–18. *Author:* Practice problems in economics, 1915; co-author, Tariff information series, 1921.)

THE FEDERAL FARM LOAN SYSTEM. Amer. Econ. Rev. 9: 57–78. 1919.

A description of the organization and operation of the farm loan system.

THE LAND CREDIT PROBLEM. 107 p. Kans. Univ. Bul., v. 17, no. 18. 1916. (Humanistic Studies, v. 2, no. 2.)

In the belief that confusion has arisen because so much has been said about the rural credit problem and so little about the specific problems of rural credit, the writer attempts in this study to clarify the discussion so far as the land credit problem is concerned. The subject is dealt with under the following heads: Land mortgage credit in the United States; The rural credit movement; Land credit for landowners; Tenancy and land credit reform; The Federal farm loan act.

QUACKENBUSH, E. R. (Pittsburgh, Pa. Secretary, Pittsburgh District Council, 1921– . Secretary, Dairymen's Cooperative Sales Company, 1925– .)

THE DAIRYMEN'S CO-OPERATIVE SALES COMPANY. 19 p., illus. [Pittsburgh] Dairymen's Co-operative Sales Co. [1926].

As indicated by the subtitle, this is a brief outline of past history and present development in marketing milk in the Pittsburgh milkshed.

QUICK, HERBERT. (*b.* 1861. *d.* 1925. Author; Lawyer. Associate editor, LaFollette's Weekly, 1908–9; editor, Farm and Fireside, 1909–1916; member Federal Farm Loan Board, 1916–19. *Author:* The fairyland of America, 1904; American inland waterways, 1909; On board the good ship Earth, 1913; From war to peace, 1919; etc.)

THE REAL TROUBLE WITH THE FARMERS. 214 p. Indianapolis, The Bobbs-Merrill Co. [1924].

Writing as a farmer, the author analyzes tariffs, railroad rates and privileges, taxes and tenancy, as some of the very real troubles of the farmers, but considers the greatest trouble to be increased land values. Suggested remedies include Government ownership of railways and waterways, and a single tax on land values. One reviewer states: "This author stands out conspicuously as the first distinguished champion of farming interests to identify the speculative land-value vampire as the farmer's common enemy."

RASMUSSEN, M. P. (Ithaca, N. Y. Associate professor in marketing, N. Y. State Coll. of Agriculture at Cornell University.)

AN ECONOMIC STUDY OF THE MARKETING OF NEW YORK POTATOES. Ithaca, N. Y. Cornell Agr. Expt. Sta. Bul. 440, 172 p., illus. 1925.

A study made to ascertain facts regarding size of margins taken by various middlemen and the services rendered in return. Data for the 1921–22 and 1922–23 season were secured in several sections of the state from farmers' organizations and two types of private dealers. Charts, graphs, cuts, and tables aid in presenting the information.

RAY, ROBERT JACKSON. (*Chicago*, Ill. *b.* 1883. Associate professor of economics and internal trade, Northwestern University, 1920– . Professor of economics, Keio University, Tokyo, Japan, 1911–14; professor of economics and business administration, Olivet College, 1915–20; also dean, 1918–20.)

THE CO-OPERATIVE GRANGERS OF JOHNSON COUNTY, KANSAS. 19 p. Lawrence, Kans., The World Co., 1909.

A cooperative store which has carried on a successful business for 32 years is something of a rarity in the United States, and therefore its history and the statement of its principles and policies are of interest. The joint-stock bank and the mutual insurance company organized and carried on by the same group of grangers are also described. The appendix contains a table showing the sales, expenses, and gross and net profits of the Johnson County Cooperative Association, by quarters, from 1876 to 1908.

REDFERN, PERCY. . . . (*Editor:* The Wheatsheaf. *Author:* The consumers' place in society, 1920.)

THE STORY OF THE C. W. S. THE JUBILEE HISTORY OF THE CO-OPERATIVE WHOLESALE SOCIETY, LIMITED, 1863–1913. 439 p., illus. Manchester, New York [etc.] Co-operative Wholesale Society, Limited, [1913].

This volume is more than a formal record of events; it is also a history of principles "viewed in relation to the larger world that environed their development." A biographical index is added, giving a few lines in regard to each of the men who aided in building up the Cooperative Wholesale Society.

REFSELL, OSCAR N. . . .

THE FARMERS' ELEVATOR MOVEMENT. Jour. Polit. Econ. 22: 872–895, 969–991. 1914.

The farmers' elevator movement was a child of necessity and had a hard struggle for existence before it was firmly established.

BOBOTKA, FRANK. *See also* Black, John Donald; Durand, Edward Dana; Hibbard, Benjamin Horace; Nourse, Edwin Griswold.

(Robotka, Frank. Ames, Iowa. *b.* 1889. Field agent in marketing, and assistant professor agricultural economics, Iowa State College, 1921– . Field agent in market business practice, U. S. Department of Agr.culture, 1917–1921.)

ACCOUNTING RECORDS AND BUSINESS METHODS FOR LIVE-STOCK SHIPPING ASSOCIATIONS. U. S. Dept. Agr. Bul. 1150, 52 p., illus. 1923.

All required forms are illustrated and explained, as is also the cash journal. The need for permanent records is emphasized and the entire discussion of forms and procedure is supplemented by an analysis of the business practices. Illustrative transactions are added.

ACCOUNTING RECORDS FOR LIVESTOCK SHIPPING ASSOCIATIONS. Iowa Agr. Expt. Sta. Bul. 209, 200 p., illus. 1922.

Similar in form and substance to Dept. Bul. 1150, above.

ROTHFELD, OTTO. (Bombay (?), India. Registrar, cooperative societies, Bombay Presidency. *Author:* Indian dust, 1910; With pen and rifle in Kishtwar, 1918; Women of India, 1920.)

IMPRESSIONS OF THE COOPERATIVE MOVEMENT IN FRANCE AND ITALY. Ed. 2, 111 p. Bombay, Government Central Press, 1924.

The writer was deputed by his government to make a study of the salient features of the cooperative systems of France and Italy for the guidance of the movement in the Bombay Presidency. In this report special attention is given to general principles and to a comprehension of the ideas underlying cooperative legislation and administration in the two countries, disregarding those features which are common to all cooperation, or at least to India with France and Italy.

RUSSELL, CHARLES EDWARD. (New York, N. Y. *b.* 1860. Candidate for governor of New York on socialist ticket, 1910, 1912. Appointed by President Wilson on commission to Russia, 1917. *Author:* Bolshevism and the United States, 1919; Lawless wealth, 1908; The passing show of capitalism, 1912; Stories of the great railroads, 1912; Why I am a socialist, 1910, etc.)

THE STORY OF THE NONPARTISAN LEAGUE. 332 p., illus. New York and London, Harper & Brothers, [1920].

How the Nonpartisan League was organized in self-defense by the farmers of North Dakota is related in this book. The chief interest to the student of cooperation centers in the facts and figures given regarding grain-marketing methods practiced in the Northwest.

RUSSELL, GEORGE WILLIAM (AE), (Dublin, Ireland. *b.* 1867. *Editor:* The Irish Statesman. *Author:* Some Irish essays, 1906; The candle of vision, 1918; The economics of Ireland and the policy of the British Government, 1920, etc.)

COOPERATION AND NATIONALITY: A GUIDE FOR RURAL REFORMERS FROM THIS TO THE NEXT GENERATION. 103 p. Dublin, Maunsel & Co., Ltd., 1912.

The brilliant editor of the Irish Stateman endeavors in this little volume to give "some account of the true significance of a movement which is little understood for all of its notoriety." This book is an exposition of the theory of cooperation, with emphasis on the value of self-help and high ideals, written for "those who are working at laying deep the foundations of a new social order, to hearten them with some thought of what their labor may bring to Ireland."

RUSSELL SAGE FOUNDATION LIBRARY.

COOPERATION: A SELECTED BIBLIOGRAPHY. 4 p. New York, Russell Sage Foundation Library, [1921]. (Bul. 48.)

The student will find this a valuable bibliography.

COOPERATIVE CREDIT. [7] p. New York, Russell Sage Foundation Library, 1914. (Bul. 5.)

A selected list of references on cooperative credit.

SAPIRO, AARON. (New York, N. Y., and San Francisco, Calif. Attorney for a large number of cooperative marketing associations.)

COOPERATIVE MARKETING. 31 p. Chicago, Ill. [etc.] [1920]. (American Farm Bureau Federation [Pub.] no. 4.)

An address delivered before the cooperative marketing conference called by the American Farm Bureau Federation in Chicago, July 23–24, 1920. Mr. Sapiro discusses general principles of cooperation, tells what some California associations have accomplished, and outlines a plan for the marketing of grain in the United States.

COOPERATIVE MARKETING. N. C. Agr. Col. Ext. Circ. 110, 22 p. 1921.

An address delivered by Mr. Sapiro at Danville, May 14, 1921. The story of the raisin growers of California is told, why and how they organized, and the results. The principles of California cooperatives are explained, and some remarks on warehousing tobacco are given.

SASKATCHEWAN CO-OPERATIVE ELEVATOR COMPANY, LIMITED.

A BRIEF RECORD OF THE HISTORY AND DEVELOPMENT OF THE SASKATCHEWAN CO-OPERATIVE ELEVATOR COMPANY, LIMITED. 20 p., illus. [Regina] 1925.

A brief record of the rapid development of a farmers' association which operated 46 country elevators in 1911 and 450 in 1925, as well as large terminals.

SASKATCHEWAN. DEPARTMENT OF AGRICULTURE, COOPERATION AND MARKETS.

ANNUAL REPORT. FIRST, 1914, [TO DATE]. Regina, J. W. Reid, Government Printer, 1915 to date.

The Cooperative Organization Branch of the Saskatchewan Department of Agriculture was established in 1913 to collect and disseminate information regarding every line of cooperative endeavor which could be adapted to Saskatchewan conditions. In the years covered by the reports the marketing of grain has assumed first importance. However, many other commodities are receiving attention, including livestock. poultry and dairy products, and wool.

SASKATCHEWAN ELEVATOR COMMISSION.

REPORT OF THE ELEVATOR COMMISSION OF THE PROVINCE OF SASKATCHEWAN. 141 p. Regina, John A. Reid, Government Printer, 1910.

Certain proposals for the creation and operation of a system of elevators were investigated and reported upon, with the resultant conclusions. A thorough study of grain handling was involved.

SCOTLAND. BOARD OF AGRICULTURE.

AGRICULTURAL CREDIT AND ORGANIZATION IN FRANCE, WITH SUGGESTIONS FOR A SCOTTISH SCHEME OF AGRICULTURAL CREDIT. 69 p. Edinburgh, H. M. Stationery office, 1920.

Report to the Board of Agriculture for Scotland by H. M. Conacher, of the Board of Agriculture of Scotland, and W. R. Scott, professor of political economy of the University of Glasgow.

Before drafting a scheme for agricultural credit for Scotland a study was made at close range of the French system. A comparison of agricultural production in the United Kingdom and France is presented in tabular form, and an account is given of the growth of the agricultural "*syndicats*" in order to indicate the close relation between rural credits and the general progress of agricultural organization in France.

SELIGMAN, E. R. A., MEYER, EUGENE, JR., ANDERSON, SYDNEY, ROBERTS, GEORGE E., POPE, JESSE E., GORE, THOMAS P., and KENT, ROBERT D.

THE AGRICULTURAL CREDIT PROBLEM. Acad. Polit. Sci., New York, Proc. 10 (2): 79–148. 1923.

Various aspects of the agricultural credit problem and the needs of the American farmers were discussed by the different speakers.

SHERLOCK, CHELSA C. (Des Moines, Iowa. *b.* 1895. Coeditor, Iowa Homestead; associate editor, Wisconsin Farmer, Kansas Homestead, Missouri Farmer. *Author:* Vest-pocket lawyer, know your compensation liability; The modern farm series, etc.)

THE MODERN FARM CO-OPERATIVE MOVEMENT. 377 p., illus. Des Moines, Iowa, The Homstead Co., [1922.]

Cooperation is viewed by the writer not as a new movement but as "one of the old things appearing new to a great many people." Earlier efforts along the same line are cited, the affairs of various outstanding groups of the present day are discussed, and the possibilities for the future considered.

SIAM, MINISTRY OF COMMERCE.

REPORT ON THE CO-OPERATIVE MOVEMENT IN SIAM. 20 p. Bangkok. 1922. (Reprinted from "The Record," no. 6, Oct. 1922.)

Co-operative credit banks of the Raiffeisen type are in some measure meeting Siam's pressing need for working funds at modest interest rates.

SINCLAIR, JOHN F., and HALLAM, CLARK. . . .

REPORT UPON CO-OPERATION AND MARKETING. IN FOUR PARTS. Madison, Democrat Printing Co., 1912. (Wis. State Bd. Public Affairs.)

The author states the purpose of this report to be "to show the farmers of Wisconsin the possibilities of agricultural co-operation and the dangers to be guarded against." The report is presented in four parts, as follows:

Part I. Agricultural co-operation. 132 p.
Part II. Co-operative credit. 27 p.
Part III. Municipal markets. 59 p.
Part IV. Distributive or store co-operation. 40 p.

The material given is largely descriptive and historical.

SMITH, GUY CARLTON. (Chicago, Ill. *b.* 1881. Economist, commercial research department, Swift & Co. 1921– . Associate professor of economics, New Hampshire Agricultural and Mechanical College, 1911–1913; professor economics, Connecticut Agricultural College, 1916–1919; director, bureau of markets, Pennsylvania Department of Agriculture, 1919–20.)

FARM MORTGAGE CREDIT IN NEW HAMPSHIRE. N. H. Agr. Col., Arts and Sci. Research Bul. 2, 16 p. 1916.

A study made to determine under what conditions New Hampshire farmers were able to secure credit. The information is summarized and the text is illustrated with graphic maps.

A PLAN FOR SHORT-TERM FARM LOANS IN CONNECTICUT. Conn. Agr. Col. Ext. Bul. 10, 8 p. 1917.

A plan to put farmers on the same basis as other business men and to bring about more satisfactory relations between farmers and bankers, is outlined. A copy of the "Agricultural credit statement" is given in full and the five cardinal principles of credit are stressed, including the importance of farm accounts and of a bank account.

SMITH, HERBERT G. (Dublin (?), Ireland. Member of the staff, Department of Agriculture and Technical Instruction for Ireland.)

THE BEST METHODS OF ORGANISATION FOR AGRICULTURAL CO-OPERATION AND CREDIT. Ireland Dept. Agr. and Tech. Instr. (Misc. Ser.), Bul. 6, 102 p. 1903.

This essay was awarded the Cobden Club medal and prize of £20 in 1901 as the best treatise on the subject. The author declares its purpose to be "to describe, as concisely as possible, what experience has shown to be the most successful methods of organizing cooperation among agriculturalists and of developing and supplying credit suitable for their peculiar needs."

SMITH-GORDON, LIONEL ELDRED POTTINGER. (Dublin, Ireland. *b.* 1889. Manager, National Land Bank, Ltd., Dublin; formerly librarian, Cooperative Reference Library, and assistant secretary, Irish Agricultural Organisation Society; member from Canada of American Commission to Study and Investigate Rural Credit and Cooperation, 1913.)

CO-OPERATION FOR FARMERS. 247 p. London, Williams & Norgate, 1918.

Stress is laid on the fundamental principles of cooperation, and reasons for the establishment of these principles are given. Varying conditions which have aided or hindered cooperation in the different countries are discussed, comparisons made and remedies suggested for some of the existing evils. Written from an English standpoint.

SMITH-GORDON, LIONEL ELDRED POTTINGER, and O'BRIEN, CRUISE.

CO-OPERATION IN DENMARK. 74 p. Manchester, Co-operative Union, Ltd., 1919.

How the Danish people, driven by necessity, through self-help and state encouragement, have become the best organized nation of producers and consumers, is related.

CO-OPERATION IN IRELAND. 92 p., illus. Manchester, Co-operative Union, Ltd., 1921.

A condensed yet comprehensive history of the cooperative movement in Ireland from the early days up to 1919. The almost insuperable difficulties encountered and the courage and persistence of the leaders are depicted.

CO-OPERATION IN MANY LANDS. v. 1. Manchester, Co-operative Union, Ltd., 1919.

"An introduction to the study of cooperation the world over." The theories of cooperation between producers and consumers are analyzed and shown to be reconcilable by means of an overhead wholesale society. A systematic classification is worked out in order that clear thinking may be less difficult, and the leading features of some of the types are sketched. The necessity for education in the "human gospel of cooperation" is urged in order that people may catch the spirit and inspiration of the movement. Economic, social, and educational policies are discussed.

SMITH-GORDON, LIONEL ELDRED POTTINGER, and STAPLES, LAURENCE C.

RURAL RECONSTRUCTION IN IRELAND. 279 p. London. P. S. King & Son, Ltd., 1917.

A narrative of the beginnings and growth of cooperation in Ireland well illustrating the saying that "Ireland had to be coaxed into cooperation." Due credit is given Sir Horace Plunkett for inspiring and starting, in spite of almost insurmountable obstacles, the cooperative movement which is bringing a measure of prosperity and comfort to the country. Much remains to be done, but the future holds "the promise of more real unity among Irish people than has before seemed possible."

SONNICHSEN, ALBERT. (Willimantic, Conn. *b.* 1878. Formerly secretary, Cooperative League of America; correspondent New York Evening Post in Bulgaria, 1904–1906; in field with Macedonian revolutionists in Turkey, 1906. Editor, The Home Cooperator. *Author:* Ten months a captive among Filipinos, 1901; Deep sea vagabonds, 1903; Confessions of a Macedonian bandit, 1909.)

CONSUMERS' COÖPERATION. 223 p. New York, The Macmillan Co., 1919.

A broad outline of the significant events in the early development and recent growth of consumers' cooperation, with an argument that the movement may become a most important factor in social and economic reconstruction, that it is "the alternative to revolutionary and political socialism." The author makes a sharp distinction between organizations of consumers for the production and supply of goods for members, and agricultural cooperative associations formed to sell their products according to present methods, which he considers capitalistic.

CONSUMERS' COOPERATION DURING THE WAR. Amer. Rev. of Reviews 53: 576–578. 1916.

Facts and figures showing the tremendous growth of consumers' cooperatives in Europe from 1910 to 1916.

STEEN, HERMAN. (Indianapolis, Ind. *b.* 1893. Sec'y, Central States Soft Wheat Growers' Assn. Farm editor, Des Moines Register, 1915–16; managing editor, Prairie Farmer, 1916.)

COÖPERATIVE MARKETING: THE GOLDEN RULE IN AGRICULTURE. 366 p. Garden City, N. Y., Doubleday, Page & Co., 1923. (American Farm Bureau Federation Library.)

As the "most hopeful movement for the permanence of American agriculture," the progress of cooperative marketing is recorded through "the story of the genesis, development, and operation of more than one hundred of the most significant associations in the United States." The material was gathered at first hand and is presented in popular form with little discussion.

STEWART, CHARLES LESLIE. (Urbana, Ill. *b.* 1890. In charge Agricultural economics University of Illinois, 1924– . Associate agricultural economist, U. S. Department of Agriculture, 1921–24; professor of economics, University of Arkansas, 1918–1921.)

AN ANALYSIS OF RURAL BANKING CONDITIONS IN ILLINOIS. 38 p., illus. [Champaign, Ill., 1914.]

At the request of the committee on agriculture of the Illinois Bankers' Association an analysis of banking conditions in the State was made in 1913. The information, collected by means of questionnaires, is here summarized and presented.

STEWART, JAMES, and RIDDELL, F. W.

(James Stewart, Winnipeg, Man. *b.* 1881. Grain merchant. Connected with a number of large grain handling, exporting, and milling companies. Chairman, Canadian Wheat Board, 1919–20.)

REPORT TO THE GOVERNMENT OF SASKATCHEWAN ON WHEAT MARKETING. 21 p. Regina, J. W. Reid, King's Printer, 1921.

The two objects which this report was designed to meet were: "To procure accurate information of an educational character for the people of the Province generally, and to ascertain what assistance the Government of the Province is capable of rendering in connection with the marketing of wheat."

STRICKLAND, CLAUDE FRANCIS. (Indian Civil Service.)

AN INTRODUCTION TO COOPERATION IN INDIA. 75 p. London [etc.], H. Milford, Oxford Univ. Press, 1922. (India of to-day, v. 1.)

The writer considers cooperation as "a subject both technical in its theory and complicated in its practice." He, therefore, deems its expedient first to examine the evils which cooperation seeks to remedy, then tells of the origin of the movement in India, the progress made to date, and the principal forms developed.

STUDIES IN EUROPEAN CO-OPERATION. 2 v. Lahore, Superintendent Government Printing, Punjab, 1922–25.

The writer was deputed to spend four months in 1920 in Europe to study cooperation. He visited Holland, Belgium, Italy, and England, and has embodied the results of his observations in this report.

A journey to the British Isles, three Scandanavian countries and Egypt was made in 1924, to study the manner in which European countries handled certain problems of the small farmer, particularly land mortgages, and to determine what features were applicable to India's needs.

SWARTHOUT, ARTHUR VANCE. (Washington, D. C. *b.* 1885. Marketing economist, Bureau of Agricultural Economics, 1924– . Assistant in market business practice, U. S. Department of Agriculture, 1917–19; investigator in market business practice, 1919–24.) *See also* Jesness, O. B.

FARMERS' COOPERATIVE BUSINESS STUDY: THE STAPLE COTTON COOPERATIVE ASSOCIATION. U. S. Dept. Agr. Circ. 397, 56 p., illus. 1926.

This study of the Staple Cotton Cooperative Association was undertaken, at the request of the board of directors, by the Division of Cooperative Marketing as a part of its program of economic research. Its purpose was to bring out the experiences which would be helpful to other cooperatives. The entire period of operation of the association is covered.

TAEUSCH, C. F. . . .

RURAL COOPERATION AND COOPERATIVE MARKETING IN OHIO, 1913. Ohio Agr. Expt. Sta. Circ. 141; 17–39. 1913.

A survey of agricultural conditions in Ohio, made for the purpose of aiding in the more effective direction of the work of the experiment station. Failures as well as successes in cooperative effort are analyzed in order to determine the underlying factors which make for success.

TAYLOR, HENRY CHARLES. (Evanston, Ill. *b.* 1873. Research professor in land economics, Northwestern University, 1926– . Instructor and professor of economics, Univ. of Wisconsin, 1901–19; chief, Office of Farm Management, U. S. Department of Agriculture, 1919–21; Chief, Bureau of Agricultural Economics, 1921–25.)

OUTLINES OF AGRICULTURAL ECONOMICS. 610 p., illus. New York, The Macmillan Co., 1925.

"Better farm management, better marketing, better land tenure, and a better distribution of wealth . . . constitute the objective in the mind of the author," according to the preface. The volume presents an analysis of the elements of the problems and points the way to more intelligent action on the part of farmers and statesmen.

THACKSTON, T. B. . . .

AGRICULTURAL CO-OPERATION IN GERMANY AND IN IRELAND. 71 p. Spartanburg, S. C., Band & White, 1913.

The author was a member from South Carolina of the American Commission to Investigate and Study Agricultural Credit and Cooperation in Europe in 1913, and this little book is his "contribution to the cause of better farming in the United States and to a happier rural life and a higher rural civilization." The history and forms of cooperative enterprises in Germany and Ireland are outlined in the belief that the forms used in those countries could, with some slight modifications, be used in South Carolina.

THOMPSON, CARL WILLIAM. (*b.* 1879; *d.* 1920. Specialist in rural organization, and in charge Division of Cooperative Marketing, U. S. Department of Agriculture, 1913–1920; professor economics, South Dakota University, 1905–1910; professor economics, University of Minnesota, 1911–1913.)

COSTS AND SOURCES OF FARM-MORTGAGE LOANS IN THE UNITED STATES. U. S. Dept. Agr. Bul. 348, 16 p., illus. 1916.

The results of a study made to determine the interest rates on farm mortgage loans in the different sections of the country, and the sources from which such loans were derived, are included in this bulletin. The information is presented from various angles by means of tables and charts.

FACTORS AFFECTING INTEREST RATES AND OTHER CHARGES ON SHORT-TIME FARM LOANS. U. S. Dept. Agr. Bul. 409, 12 p., illus. 1916.

This is a continuation of the study outlined in bulletin 384, "Costs and sources of farm-mortgage loans in the United States." The reasons for the wide variations in interest rates on short-time loans in different parts of the country are discussed and special attention is given to "those causes of variation which can be modified by individual or collective action."

THE FEDERAL FARM LOAN ACT. Amer. Econ. Rev. Sup. 7: 115–131. 1917.

An exposition of the intent of the federal rural credit law of July, 1916, in providing for two distinct farm mortgage banking systems, with a discussion of the causes which led to the enactment of the law, the provisions made for safeguarding the granting of farm mortgage credit, and the more important benefits that may be expected to result.

HOW FARMERS MAY IMPROVE THEIR PERSONAL CREDIT. U. S. Dept. Agr. Farmers' Bul. 654, 14 p. 1915.

Two general plans are given for improving credit conditions through cooperative methods. The first is that of temporary agreements with existing loan agencies, the agreement to terminate with the payment of the loans; the other is that of permanent articles of agreement between the farmers themselves or "cooperative credit associations."

HOW THE FEDERAL FARM LOAN ACT BENEFITS THE FARMER. U. S. Dept. Agr. Farmers' Bul. 792, 12 p. 1917.

The provisions of the Federal farm loan act are clearly interpreted.

TOBRINER, MATHEW O. *See also* Mears, E. G.

HOW SHALL COOPERATIVES BE ORGANIZED? Jour. Farm Econ. 6:367–377. 1924.

The writer compares the advantages and disadvantages of the federated and centralized types of organization in theory and in practice.

TORY, HENRY MARSHALL. (Edmonton, Alberta. *b.* 1864. President of the University of Alberta 1908–. Administrative chairman of the Honorary Advisory Council for Scientific and Industrial Research. Professor, McGill Univ., 1897–1908. *Author:* Text books on physics.)

REPORT ON AGRICULTURAL CREDIT. 90 p. Ottawa, F. A. Acland, 1924. (Canada, Parliament, Sessional paper no. 142.)

The different sections of the report cover rural credit in Europe, in the British Empire outside of Canada, in the United States, and in the Dominion of Canada, with the final section on "consideration of methods in relation to Canadian conditions."

SUPPLEMENTARY REPORT ON AGRICULTURAL CREDIT. 22 p. Ottawa, F. A. Acland, 1925. (Canada, Parliament, Sessional paper no. 152, A.) [Not examined.]

TRUESDELL, LEON EDGAR, and THOMPSON, CARL WILLIAM. *See also* Thompson, Carl William.

(Truesdell, Leon Edgar, Washington, D. C. *b.* 1880. Expert special agent, division of agriculture, Bureau of the Census; formerly field assistant in rural organization, U. S. Department of Agriculture.)

AMORTIZATION METHODS FOR FARM MORTGAGE LOANS. U. S. Dept. Agr., Off. Sec. Circ. 60, 12 p. 1916.

Several methods of amortization are clearly explained with numerous illustrative tables.

TUCKER, DONALD S. (Cambridge, Mass. Assistant professor, Mass. Institute of Technology.)

THE EVOLUTION OF PEOPLE'S BANKS. 272 p. New York, Columbia Univ., 1922. (Studies in History, Economics, and Public Law, v. 102, no. 1.)

How and why people's banks developed as they have is shown by tracing their history and outlining the lives and work of certain men who were leaders in attempting to aid their fellowmen. The effects of changing environment and changes within the societies themselves are clearly brought out, and the extent to which the idea of people's banks has spread around the world is briefly summarized.

TUFTS, JAMES HAYDEN. (Chicago, Ill. *b.* 1862. Professor of philosophy and head of department, University of Chicago. *Author*: Ethics, 1908 (with John Dewey); Our democracy, 1917; The real business of living, 1918.)

THE ETHICS OF COÖPERATION. 73 p. Boston and New York, Houghton Mifflin Co., 1918.

A clarifying discussion of general principles.

UNION OF THE SIBERIAN CREAMERY AND OTHER COOPERATIVE ASSOCIATIONS. Compiled by the Section of Economical Statistics of the Board of the Union of the Siberian Creamery Associations. Translated from the Russian. 80 p., illus. Boston, [Blanchard Printing Co.] 1919.

This oldest and greatest purely peasant organization publishes this book "to acquaint the interested business people of the United States, Canada, and England with western Siberia, and to supply a short description of the people's cooperative organization," in an effort to establish commercial relations. A description of the country is given, together with a brief history of the union and its work, and a statement of its affairs on September 1, 1918, when it comprised 3,795 associations.

UNITED STATES COMMISSION TO INVESTIGATE AND STUDY IN EUROPEAN COUNTRIES COOPERATIVE LAND MORTGAGE BANKS, COOPERATIVE RURAL CREDIT UNIONS, AND SIMILAR ORGANIZATIONS AND INSTITUTIONS.

REPORT OF THE UNITED STATES COMMISSION. PARTS I AND II. AGRICULTURAL CREDIT. LAND-MORTGAGE OR LONG-TERM CREDIT. U. S. Congress, 63d, 2d Sess., Senate Doc. 380, 73 p. 1914.

This report analyzes the long-term credit systems of European countries, showing the features which may be applied to American conditions, and recommends legislation. Text of a bill to establish farm-land banks is included and its features are discussed in detail.

UNITED STATES COMMISSION TO INVESTIGATE AND STUDY IN EUROPEAN COUNTRIES COOPERATIVE LAND MORTGAGE BANKS, ETC.—Continued.

REPORT OF THE UNITED STATES COMMISSION. PART III. AGRICULTURAL CREDIT. PERSONAL OR SHORT-TERM CREDIT. U. S. Congress, 63d, 2d Sess., Senate Doc. 380, 32 p. 1914.

A study of the people's banks and the rural-credit unions of several European countries, showing how credit needs of different classes have been met. Conditions in the United States are reviewed and recommendations are made for their improvement.

UNITED STATES CONGRESS. CONFERENCE COMMITTEE.

THE FEDERAL FARM LOAN ACT. CONFERENCE REPORT. (TO ACCOMPANY S. 2986.) U. S. Congress, 64th, 1st Sess., H. R. Rpt. 844, 33 p. 1916.

Recommendations of the committee of conference on the disagreeing votes of the two Houses on the amendments of the House to the bill (S. 2986) "to provide capital for agricultural development, to create standard form of investment based upon farm mortgage, to equalize rates of interest upon farm loans, to furnish a market for United States bonds. . . ."

THE FEDERAL FARM LOAN ACT. CONFERENCE REPORT. (TO ACCOMPANY S. 2986.) U. S. Congress, 64th, 1st Sess., Senate Doc. 472, 29 p. 1916.

Recommendations of the committee of conference on the disagreeing votes of the two Houses on the amendments of the House to the bill (S. 2986) "to provide capital for agricultural development, to create standard form of investment based upon farm mortgage, to equalize rates of interest upon farm land loans, to furnish a market for United States bonds. . . ."

UNITED STATES CONGRESS. HOUSE COMMITTEE ON BANKING AND CURRENCY.

RURAL CREDITS. REPORT. (TO ACCOMPANY H. R. 15004.) U. S. Congress, 64th, 1st Sess., H. R. Rpt. 630, 30 p. 1916.

H. R. 15004, "to provide capital for agricultural development, to create standard form of investment based upon farm mortgage, to equalize interest upon farm loans, to furnish a market for United States bonds, to create financial agents for the United States, and for other purposes," was reported favorably by the committee with comments.

UNITED STATES CONGRESS. JOINT COMMISSION OF AGRICULTURAL INQUIRY.

REPORT OF THE JOINT COMMISSION OF AGRICULTURAL INQUIRY. U. S. Congress, 67th, 1st Sess., H. R. Rpt. 408, 4 v., illus. 1921.

The subjects which this commission was directed to investigate were: (1) The present conditions of agriculture; (2) the cause of the difference between the prices of agricultural products paid to the producer and the ultimate cost to the consumer; (3) the comparative condition of industries other than agriculture; (4) the relation of prices of commodities other than agricultural products to such products; (5) the banking and financial resources and credits of the country, especially as affecting agricultural credits; (6) the marketing and transportation facilities of the country. The comprehensive report is presented in four parts as follows:

Part 1. The agricultural crisis and its causes. 240 p.
Part 2. Credit. 159 p.
Part 3. Transportation. 686 p.
Part 4. Marketing and distribution. 266 p.

UNITED STATES CONGRESS. JOINT COMMITTEE ON RURAL CREDITS.

COMPILATION OF UNITED STATES DOCUMENTS RELATING TO AGRICULTURAL COOPERATION AND RURAL CREDIT BANKS. 2 v. Washington, Government Printing Office, 1915.

Documents prior to the 63d Congress, collated and printed for the use of the Joint Committee on Rural Credits.

UNITED STATES CONGRESS. JOINT COMMITTEE ON RURAL CREDITS.

RURAL CREDITS. REPORT OF JOINT COMMITTEE ON RURAL CREDITS. U. S. Congress, 64th, 1st Sess., H. R. Doc. 494, 39 p. 1916.

This report of the joint committee is accompanied by a draft of a proposed bill on land-mortgage loans to be known as "The Federal farm loan act," with explanation of some of the salient features.

UNITED STATES CONGRESS. JOINT COMMITTEE ON SHORT-TIME RURAL CREDITS.
SHORT-TIME RURAL CREDITS. MEMORANDA FOR THE USE OF THE JOINT CONGRESSIONAL COMMITTEE. 172 p. Washington, Govt. Print. Off., 1921.
Among the varied contents of this document are the two acts of Congress which authorized the formation of the joint committee on short-time rural credits; the minutes of meetings of the committee; statistics on loans to farmers; two circulars of the War Finance Corporation; and excerpts from reports and monographs by a number of authoritative writers. The rural credits acts of several Canadian provinces are also given with reports and comments by different writers.

UNITED STATES CONGRESS. SENATE. COMMITTEE ON BANKING AND CURRENCY.
AGRICULTURAL CREDITS. REPORT NO. 1003. (TO ACCOMPANY S. 4287.) U. S. Congress, 67th, 4th Sess., Senate Rpt. 1003, 2 v. [1923].
Senate 4287, "to provide credit facilities for the agricultural and livestock industries of the United States, to amend the Federal farm loan act, to amend the Federal reserve act. . . . " was reported upon favorably by the Committee on Banking and Currency, with certain amendments indicated in this report. Part I is the report of the majority. while Part II is a minority report.
RURAL CREDITS. REPORT. (TO ACCOMPANY S. 4280.) U. S. Congress, 67th, 4th Sess., Senate Rpt. 998, 9 p. 1923.
Senate 4280, "to provide credit facilities for the livestock and agricultural interests of the United States, to amend the Federal reserve act, to amend the Federal farm loan act . . ." was reported upon favorably by the Committee on Banking and Currency, with certain amendments indicated in this report.
RURAL CREDITS. JOINT HEARINGS BEFORE THE SUBCOMMITTEES OF THE COMMITTEES ON BANKING AND CURRENCY OF THE SENATE AND OF THE HOUSE OF REPRESENTATIVES CHARGED WITH THE INVESTIGATION OF RURAL CREDITS. 971 p. Washington, Govt. Print. Off., 1914. (U. S. Congress, 63d, 2d Sess.)
These hearings cover the testimony of 38 witnesses summoned from various occupations and from all parts of the country to furnish information needed by the committee.

UNITED STATES CONGRESS. SENATE. COMMITTEE ON THE JUDICIARY.
HEARINGS BEFORE A SUBCOMMITTEE OF THE COMMITTEE ON THE JUDICIARY . . . ON H. R. 2373, A BILL TO AUTHORIZE ASSOCIATION OF PRODUCERS OF AGRICULTURAL PRODUCTS, JUNE 2, 7, 9, 10, 11, AND 20, 1921. 207 p. Washington, Govt. Print. Off., 1921. (U. S. Congress, 67th, 1st Sess.)
These hearings, which preceded the enactment of the Capper-Volstead Act, deal especially with the affairs of the California Associated Raisin Co. and the National Milk Producers' Association, and contain discussions of marketing practices and policies.

UNITED STATES DEPARTMENT OF STATE. *See also* Herrick, Myron T.
PRELIMINARY REPORT ON LAND AND AGRICULTURAL CREDIT IN EUROPE, INCLUDING THE LETTER OF PRESIDENT WILLIAM H. TAFT TO THE GOVERNORS OF STATES AND THE RECOMMENDATIONS OF AMBASSADOR MYRON T. HERRICK IN CONNECTION WITH THE PROPOSAL OF PRESIDENT TAFT TO INTRODUCE COOPERATIVE CREDIT IN THE UNITED STATES. U. S. Congress, 62d, 3d Sess., Senate Doc. 967, 32 p. 1912.
A brief and concise account of European land and credit facilities, with suggestions regarding the applicability to American conditions of systems in use in other countries.

UNITED STATES FEDERAL RESERVE BOARD.
FINANCING THE PRODUCTION AND DISTRIBUTION OF COTTON. 72 p., illus. Washington, Government Printing Office, 1923. (Reprinted from the Federal Reserve Bulletin, February, March, April, May, June, 1923.)
A series of articles by W. J. Carson, of the Division of Analytical Research. The study involves an analysis of the financial problems of the small grower, the plantation owner, the cotton factor, the merchant or broker, the mills, and the cooperative marketing associations which have sprung up in recent years.

UNITED STATES FEDERAL TRADE COMMISSION.

THE AMERICAN TOBACCO COMPANY AND THE IMPERIAL TOBACCO COMPANY. U. S. Congress, 69th, 1st Sess., Senate Doc. 34, 129 p. 1926.

The report of the Federal Trade Commission of its investigation of certain charges against two large commercial tobacco companies, particularly charges that these companies were fighting and boycotting the cooperative tobacco marketing associations. Considerable information regarding the operations of the cooperatives was brought out during the inquiry, especially regarding the (Tri-State) Tobacco Growers' Cooperative Association.

COOPERATION IN FOREIGN COUNTRIES . . . A REPORT OF THE FEDERAL TRADE COMMISSION. U. S. Congress, 68th, 2d sess., Senate Doc. 171, 202 p. 1925.

Information regarding the cooperative enterprises of nearly every European country is so classified and arranged as to be readily available for reference.

REPORT OF THE FEDERAL TRADE COMMISSION ON THE GRAIN TRADE . . . 6 v., illus. Washington Government Printing Office, 1920–24.

Vol. 1. Country grain marketing. 350 p. 1920.
Vol. 2. Terminal grain markets and exchanges. 333 p. 1920.
Vol. 3. Terminal grain marketing. 332 p. 1922.
Vol. 4. Middlemen's profits and margins. 215 p. 1924.
Vol. 5. Future trading operations in grain. 347 p. 1920.
Vol. 6. Prices of grain and grain futures. 374 p. 1924.

Only the first volume falls definitely within the scope of this bibliography. It presents a detailed description of the mechanics employed in country marketing, and a somewhat detailed description of country marketing methods, including the methods of farmers' cooperative elevators.

UNITED STATES INTERSTATE COMMERCE COMMISSION.

TESTIMONY TAKEN BY INTERSTATE COMMERCE COMMISSION OCTOBER 15–NOVEMBER 23, 1926, IN MATTER OF RELATIONS OF COMMON CARRIERS TO THE GRAIN TRADE. U. S. Congress, 59th, 2d Sess., Senate Doc. 278, 1128 p. 1907.

Charges of discrimination against farmers' elevators and boycotts thereof, were investigated in these extended hearings.

UNITED STATES PRESIDENT (TAFT).

COOPERATION AND COST OF LIVING IN CERTAIN FOREIGN COUNTRIES. MESSAGE OF THE PRESIDENT OF THE UNITED STATES TRANSMITTING DATA. U. S. Congress, 62d, 2d Sess., H. R. Doc. 617, 248 p. 1912.

An analysis of reports of consular officers on cooperative societies and similar associations in the United States. (Compiled by the Bureau of Trade Relations, Department of State.)

COOPERATION AND COST OF LIVING IN CERTAIN FOREIGN COUNTRIES. MESSAGE OF THE PRESIDENT OF THE UNITED STATES TRANSMITTING DATA. (Supplement.) U. S. Congress, 62d, 2d Sess., H. R. Doc. 736, 80 p. 1912.

These data cover an analysis of reports of consular officers on cooperative societies and similar associations in France, Belgium, Denmark, and the Netherlands. (Compiled by the Bureau of Trade Relations, Department of State.)

COOPERATION AND THE COST OF LIVING. MESSAGE FROM THE PRESIDENT OF THE UNITED STATES TRANSMITTING [DATA]. U. S. Congress, 62d, 2d Sess., H. R. Doc. 833, 112 p. 1912.

These data cover an analysis of reports of consular officers on cooperative societies and similar associations in Germany and in certain other countries. (Compiled by the Bureau of Trade Relations, Department of State.)

UNITED STATES TREASURY. FEDERAL FARM LOAN BOARD.

ANNUAL REPORT, 1917 [TO DATE]. Washington. 1918 to date.

The work of the board for each fiscal year is covered in these reports.

CIRCULARS 1–20. Washington, Govt. Print. Off., 1916–1924.

These circulars furnish in popular form information regarding the federal farm loan act and its practical application, including the formation of farm loan associations and the amortization of mortgages.

VALGREN, VICTOR NELSON. (Washington, D. C. *b.* 1876. Agricultural economist, U. S. Department of Agriculture, 1926– . Formerly investigator in agricultural insurance, and associate agricultural economist, U. S. Department of Agriculture.)

THE AGRICULTURAL CREDITS ACT OF 1923. Amer. Econ. Rev. 13: 442–460. 1924.

After a review of the factors which led to the enactment of the law, the provisions of the act itself are outlined with some criticisms and comments.

FARMERS' MUTUAL FIRE INSURANCE IN THE UNITED STATES. 186 p., illus. Chicago, University of Chicago Press, [1924].

Part I of this study deals with the history, development, and economic significance of these cooperative enterprises. Part II is given to legal and business forms.

VALGREN, VICTOR NELSON, and ENGELBERT, ELMER EUGENE.

BANK LOANS TO FARMERS ON PERSONAL AND COLLATERAL SECURITY. U. S. Dept. Agr. Bul. 1048, 26 p., illus., 1922.

As the commercial banks of the country are the most important single source of personal and collateral credit to farmers, an inquiry was made among these banks to determine the amounts of loans, seasonal fluctuations, rates of interest, nature of security, and other factors. The results of the study are summarized and interpreted.

THE CREDIT ASSOCIATION AS AN AGENCY FOR RURAL SHORT-TIME CREDIT. U. S. Dept. Agr. Circ. 197, 24 p., 1921.

The need for short-time credit is discussed, also the nature of credit associations and their development in America, particularly in North Carolina, where they are distinctly rural. The affairs of the North Carolina rural credit unions are presented in some detail. Existing laws providing for credit unions in various states are compared and a suggested state law is given.

FARM MORTGAGE LOANS BY BANKS, INSURANCE COMPANIES, AND OTHER AGENCIES. U. S. Dept. Agr. Bul. 1047, 23 p., illus, 1921.

A summary of a study made "to ascertain the amount of farm credit available from various sources, the cost of such credit to the farmer, the term for which loans are available, and the methods of repayment provided for.

VENKATASUBBAIYA, V., and MEHTA, VAIKUNTH L.

(Venkatasubbaiya, V. . . . Member of the Servants of India Society.)

THE COOPERATIVE MOVEMENT. 191 p. [Poona City, Aryabhushan Press, Budhwar Peth] 1918.

The first writer sketches briefly the story of cooperation in the countries of Europe, finding Ireland's condition nearest like India's, and relates how the great need for credit in India was relieved in part by the formation of 23,000 credit societies with more than a million members in 13 years after the enactment of the cooperative societies act of 1904. The second writer classifies and describes the societies, analyzes their organization and business, and discusses state aid and control.

WALLACE, B. A. (Columbus, Ohio. Extension agent in marketing, Ohio State Univ.)

COOPERATIVE MARKETING OF LIVESTOCK IN OHIO, 1921–1922: A PRELIMINARY STUDY. Ohio Agr. Col. Ext. Circ. v. 8, no. 8, 28 p., illus., 1922–23.

The "Monthly Reports" issued since April, 1921, by the Ohio Livestock Shippers' Association, in cooperation with the Ohio Farm Bureau Federation, are studied and analyzed with a view to comparing the counties one with another in several features, and of tracing the fluctuations in the reports, for the purpose of improving the efficiency of the societies. The material is presented in charts and graphs with explanatory text.

WALLACE, HENRY A. (Des Moines, Iowa. *b.* 1888. Editor, Wallace's Farmer. *Author:* Agricultural prices, 1920; Corn and corn growing, 1923.)

CONTROLLING AGRICULTURAL OUTPUT. Jour. Farm. Econ. 5:16–27. 1923.

The possibilities of adjusting production to demand through organization are considered. The paper, read before the annual meeting of the American Farm Economics Association, was discussed by Elwood Mead.

WARBASSE, AGNES D. (MRS. J. P.) (Brooklyn, N. Y. *b.* 1879. Educational secretary, Cooperative League of America. Traveled in nine European countries, studying cooperation. *Author:* Articles in magazines in the United States and Europe.)

WARBASSE, AGNES D.—Continued.

THE STORY OF CO-OPERATION. Ed. 3, rev., 24 p. New York, Co-operative League of America, 1921.

A concise history of the development of cooperation in the different countries, with a few paragraphs on internationalism.

WARBASSE, JAMES PETER. (Brooklyn, N. Y. *b.* 1876. President, Co-operative League of America. Surgeon, Brooklyn hospitals, 1889–1919. Editor New York State Journal of Medicine, American Journal of Surgery. Retired from surgery in 1919 to devote his time to cooperative movement. Editor, Cooperation. *Author:* Doctors of Samuel Johnson and his court, 1908; Medical sociology, 1909; The conquest of disease, 1910; Surgical treatment, 3 vols., 1919.)

THE CO-OPERATIVE CONSUMERS' MOVEMENT IN THE UNITED STATES. Ed. 3, rev., 11 p. New York, Co-operative League of America, [1920].

The beginnings and growth of consumers' cooperation in this country are briefly sketched.

CO-OPERATIVE DEMOCRACY. 493 p., illus. New York, The Macmillan Co., 1923.

"A discussion of the Cooperative Movement, its philosophy, methods, accomplishments, and possibilities, and its relation to the state, to science, art, and commerce, and to other systems of economic organization. It treats of cooperation not only as a means but as an end for carrying on the useful functions now performed by profit-making business and the political state." Dedicated to "The Consumers who are Everybody."

WARMAN, WILLIAM HOWARD. . . . (Temporary captain, Tank Corps. Sometime scholar, Worcester College, Oxford. *Author:* The soldier colonists, 1918.)

AGRICULTURAL CO-OPERATION IN ENGLAND AND WALES. 204 p., illus. London, Williams & Norgate, 1922.

A discussion of agricultural organization in England and Wales for the encouragement of British farmers. It outlines the history of the early years, the postwar developments resulting from the campaign of the Agricultural Organization Society, the present status and the prospects for the future, with an argument that agricultural cooperation can not result in monopoly.

WARMING, JENS. (Copenhagen, Denmark. University of Copenhagen.)

DANISH AGRICULTURE WITH SPECIAL REFERENCE TO COOPERATION. Quart. Jour. Econ. 37:491–509. 1923.

Denmark has been so farsighted as to preserve exact figures for the prices of leading articles for 250 years. A study of these prices shows the trend of events in agriculture which is the leading business of the country.

WARNE, COLSTON E. (Pittsburgh, Pa. Assistant professor of economics, University of Pittsburgh.)

THE CONSUMERS' CO-OPERATIVE MOVEMENT IN ILLINOIS. 420 p. Chicago, University of Chicago Press, [1926].

A detailed study of the many experiments in cooperation in a leading industrial, commercial, and agricultural state, over a period of fifty years, with an analysis and appraisal of the results.

WATKINS, GORDON S. (Urbana, Ill., *b.* 1889. Associate professor of economics, University of Illinois.)

COOPERATION: A STUDY IN CONSTRUCTIVE ECONOMIC REFORM. Univ. of Ill., Bul. v. 18, no. 28, 85 p. 1921.

According to the preface this is "a brief study of the development and contemporary status of the cooperative movement in various countries especially in the United Kingdom and the United States." The study deals mainly with distributive societies but gives some attention also to marketing and credit. Many statistics are included, also considerable historical matter.

WEBB, SYDNEY, and WEBB, BEATRICE POTTER. *See also* Potter, Beatrice. (Webb, Sydney, London, Eng. *b.* 1859. Barrister. Professor of public administration, University of London; served on Royal Commission Trade Union Law, 1903–1906; and on departmental committees on Technological Institute at South Kensington, 1904–5, Agricultural Settlements and Immigration, 1905–6. *Author:* Socialism in England, 1890; The eight hours day, 1891; and many others.)

WEBB, SYDNEY, and WEBB, BEATRICE POTTER—Continued.

THE CONSUMERS' CO-OPERATIVE MOVEMENT. 504 p. London, New York [etc.] Longmans, Green & Co., 1921.

An up-to-date descriptive analysis of consumers' cooperation in Great Britain, its social and political significance, and its possibilities as a substitute for the capitalist system. "By far the most complete and satisfactory statement yet made of what we understand by consumers' cooperation."

WELD, LOUIS DWIGHT HARVELL. (Chicago, Ill. *b.* 1882. Manager, commercial research department, Swift & Co., 1917– . Formerly professor of agricultural economics, University of Minnesota and Yale University.)

FARMERS' ELEVATORS IN MINNESOTA. Minn. Agr. Expt. Sta. Bul. 152, 24 p., illus. 1915.

A careful analysis of data secured regarding the affairs of farmers' elevators for 1912–13 and 1913–14, including history, organization, extent of business, finances, and business methods.

THE MARKETING OF FARM PRODUCTS. 483 p. New York, the Macmillan Co., 1916.

A clear and comprehensive analysis of the methods and processes of marketing farm products and the functions of the agencies involved, by the well-known economist. Some weaknesses of the marketing system are pointed out and remedies suggested. One chapter is devoted to a discussion of cooperative marketing in its different phases.

STATISTICS OF COÖPERATION AMONG FARMERS IN MINNESOTA, 1913. Minn. Agr. Expt. Sta. Bul. 146, 22 p., illus. 1914.

A statistical summary of the 2,013 cooperative associations in Minnesota, January, 1914, showing the volume of business done.

WHITE, PERCIVAL, and HAYWARD, WALTER S.

MARKETING PRACTICE. 577 p., illus. Garden City, N. Y., Doubleday, Page & Co., 1924.

According to the preface, this is intended as a practical guide to marketing both to the student and to the business man "on the assumption that the viewpoints of the two are rapidly tending to coincide."

WHITNEY, EDSON LEON. . . . (b. 1861.)

COOPERATIVE CREDIT SOCIETIES (CREDIT UNIONS) IN AMERICA AND IN FOREIGN COUNTRIES. U. S. Dept. Labor, Bur. Labor Statis. Bul. 314, 60 p. 1922.

The credit societies of several foreign countries are described and their distinctive features pointed out. The history of the movement in America is traced, beginning with the first futile attempt to establish credit associations in Massachusetts in 1870. Attention is given to the development of agricultural credit and the credit unions of North Carolina which is the only State to develop a distinctly rural type of union.

WIEST, EDWARD. (Lexington, Ky. Professor of economics, University of Kentucky; head of department of economics and sociology. *Author*: The butter industry in the United States.)

AGRICULTURAL ORGANIZATION IN THE UNITED STATES. 618 p., illus. Lexington, University of Kentucky, 1923. (Studies in Economics and Sociology, v. 2.)

The author states his purpose to be "to present a scientific and unbiased analysis of the forms, functions, causes, and effects, of public and private organizations in general." He includes in his list the Federal and State departments of agriculture, the agricultural colleges with their experiment stations and extension departments, agricultural education under the Smith-Hughes law, and farmers' associations.

WILSON, C. N. (Madison, Wisconsin. Accountant, Wisconsin State Division of Markets.)

A SYSTEM OF ACCOUNTS FOR CHEESE FACTORIES. Wis. Dept. Agr., Div. Markets Bul., v. 1, no. 8, 16 p. 1920.

The Division of Markets was asked to furnish an adequate system of accounts and records, and it is believed that the one outlined is simple enough to be used, with a little study, by organizations which do not employ a trained bookkeeper, and that it will meet the needs of both large and small factories. The author states that this system is compiled fundamentally on ideas furnished by the cheese makers themselves.

WILSON, C. N.—Continued.

A SYSTEM OF ACCOUNTS FOR COOPERATIVE WAREHOUSES. Wis. Dept. Agr., Div. Markets Bul., v. I, no. 5, 30 p. 1920.

With a view of unifying the accounting plans of the cooperative warehouses of the state, a comprehensive survey of the accounting systems in use was made by the Division of Markets.

A SYSTEM OF ACCOUNTS FOR CREAMERIES. Wis. Dept. Agr., Div. Markets Bul., v. 2, no. 13, 26 p. 1921.

A system of accounts prepared with the idea of standardizing the records of the various associations. It embodies the best ideas secured from the records of different associations and has been made as free from technicalities as possible.

WIPRUD, ARNE CLARENCE. (St. Paul, Minn. Vice president, Federal Land Bank, St. Paul; member Minnesota bar.)

THE FEDERAL FARM-LOAN SYSTEM IN OPERATION. 280 p. illus. New York and London, Harper & Bros. [1921].

This book is an effort to acquaint the people with this great new system of agricultural credit "in its cooperative aspects." The history of the enactment of the Federal farm loan act is related; the work of the Farm Loan Board is outlined, also the organization and scope of the farm land banks and of the farm loan associations. The text of the Federal farm loan act, the decision of the Supreme Court as to its legality, and a bibliography on rural credits, are appended.

WOLFF, HENRY WILLIAM. (London, England. *b.* 1840. Founder of International Cooperative Alliance and president up to 1907; also one of founders of Agricultural Organization Society; advised Indian government on introduction of cooperative credit. Called "cooperative credit's most brilliant writer and enthusiastic supporter," and "the greatest living English authority on cooperation.")

CO-OPERATION IN AGRICULTURE. 378 p. London, P. S. King & Son, 1912.

Largely an argument that English agriculture could and should take advantage of cooperative methods which have proved so helpful in other countries. One chapter is devoted to a clear-sighted discussion of general principles, while other chapters take up in detail plans and suggestions for carrying on specific lines of cooperative work.

CO-OPERATION IN INDIA. 352 p. London, W. Thacker & Co., [1919].

The enactment of the cooperative societies act in 1904 is shown to have marked the turning point in the social and economic history of India. The author states that credit was a fundamental need of the agricultural people, and that the credit associations have proved their value as relief measures and in the teaching of thrift and brotherhood. "Never, unless, perhaps, in Russia . . . has cooperative seed been known to drop upon more fruitful soil and to ripen so rapidly into a rich harvest." Now, that the foundations have been laid, education is of the highest importance in the development of the country.

CO-OPERATIVE BANKING: ITS PRINCIPLES AND PRACTICE. 301 p. London, P. S. King & Son. 1907.

The author declares his purpose in writing this book to be to deal "with the machinery rather than the results," accordingly the machinery adapted to cooperative banks in various countries under varying circumstances is discussed carefully, and incidentally some remarkable results are revealed. One chapter is given to cooperative-mortgage credit.

CO-OPERATIVE CREDIT BANKS. 58 p. London, P. S. King & Son, [1898].

The subtitle of this pamphlet is "A help alike economic and educational for the laboring and cultivating classes." What has been accomplished in other countries is cited and used as the basis of an argument for the adoption of cooperative credit banks in England.

CO-OPERATIVE CREDIT FOR THE UNITED STATES. 349 p. New York, Sturgis & Walton Co., 1917.

This well-known British authority on cooperative credit discusses the principles of credit for the guidance of the American people in establishing such a system. The work is mainly philosophical and the recommendations are general rather than specific.

WOLFF, HENRY WILLIAM—Continued.

PEOPLE'S BANKS: A RECORD OF SOCIAL AND ECONOMIC SUCCESS. Ed. 4, 452 p. London, P. S. King & Son, 1919.

This fourth edition of what has been called "the most complete book on the subject published in any language" tells of the remarkable progress the cooperative movement has made in every country in which it has been introduced, and how during the World War it exerted a peculiar influence in steadying business and "keeping the economic machine going."

WOOD, ALFRED. . . .

THE CO-OPERATIVE SECRETARY: A MANUAL OF CO-OPERATIVE ADMINISTRATION. 648 p., illus. Manchester, Co-operative Union Ltd., [1909].

The author has endeavored to provide a complete guide for the secretary who may have to organize and direct the affairs of a cooperative association, and to make it cover every subject with which the secretary would have to deal. It is intended as "a reference book for the initiated and a textbook for the student."

WOOD, LOUIS AUBREY. . . .

A HISTORY OF FARMERS' MOVEMENTS IN CANADA. 372 p. Toronto, The Ryerson Press, [1924].

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WRIGHT, IVAN. (Urbana, Ill. Assistant professor of economics, in charge of agricultural economics, College of Commerce and Business Administration, University of Illinois.)

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YODER, FRED R., BEARDSLEY, H. S., and HONEYCUTT, A. J.

(Yoder, Fred R., Raleigh, N. C. Specialist in rural credits, Division of Markets, North Carolina Exp. Sta. and Ext. Service.)

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Cooperative Educator, Manchester, England. Quarterly by Cooperative Union, Ltd.
The Cooperative Marketing Journal, Washington, D. C. Monthly
Cooperative News, Manchester, England. Weekly by National Cooperative Publishing Society, Ltd.
The Cooperative Review, Manchester, England. Bimonthly by the Cooperative Union of Great Britain and Ireland.
The Cooperator's Herald, St. Paul, Minn. Semimonthly by the Exchange Publishing Company.
The Eastern Cooperator. New York City. Monthly by Eastern States Cooperative League.
Equity-Union Exchange, Greenville, Ill. Weekly by the Farmers' Equity Union.
The Grain Growers' Guide, Winnipeg, Man. Semimonthly by the organized farmers.
International Cooperative Bulletin, London, England. Monthly by International Cooperative Alliance.
International Review of Agricultural Economics, Rome, Italy. Monthly by International Institute of Agriculture.
Madras Bulletin of Cooperation, Royapettah, Madras, India. Monthly by Madras Provincial Cooperative Union, Ltd.
Northern States Cooperator, Minneapolis, Minn. Monthly by Northern States Cooperative League.
The Scottish Cooperator, Glasgow, Scotland. Weekly. Organ of Scottish Cooperative Wholesale Society.
The U. F. A., Calgary, Alberta. Weekly by the United Farmers of Alberta.

PUBLICATIONS ISSUED BY FARMERS' BUSINESS ORGANIZATIONS, INCLUDING HOUSE ORGANS, NEWS LETTERS, ETC.[2]

BEANS

The Lima Bean Bulletin, Oxnard, Calif. Irregularly by the California Lima Bean Growers' Association.

BROOMCORN

The Cooperative Broomcorn Grower, Oklahoma City, Okla. Semimonthly by Broomcorn Growers' Cooperative Association.

COTTON

Cooperation, Columbia, S. C. Semimonthly by the South Carolina Cotton Growers' Cooperative Association.
The Cotton Association News, Little Rock, Ark. Semimonthly by the Arkansas Cotton Growers' Cooperative Association.
Cotton News, St. Matthews, S. C. Semimonthly by the American Cotton Association.
Farm Bureau News, Dallas, Tex. Semimonthly by the Texas Farm Bureau Cotton Association.
Georgia Cotton Pool News, Atlanta, Ga. Monthly by the Georgia Cotton Growers' Cooperative Association.

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[2] Revised to February, 1927. This list is constantly changing.

Mississippi Farm Bureau Cotton Association News, Jackson, Miss. Monthly by the Mississippi Farm Bureau Cotton Association.
North Carolina Cotton Grower, Raleigh, N. C. Monthly by the North Carolina Cotton Growers' Cooperative Association.
Oklahoma Cotton Grower, Oklahoma City, Okla. Semimonthly by Oklahoma Cotton Growers' Cooperative Association.
The Staple Cotton Review, Greenwood, Miss. Monthly by Staple Cotton Cooperative Association.

DAIRY PRODUCTS

American Cheese, Plymouth, Wis. Irregularly by Wisconsin Cheese Producers' Federation.
Butterfat, Modesta, Calif. Monthly by Milk Producers of Central California.
Butter-Fat, Vancouver, B. C. Monthly by Fraser Valley Milk Producers' Association.
C. M. P. A. Bulletin, Hartford, Conn. Monthly by Connecticut Milk Producers' Association, Inc.
The California Dairyman, Los Angeles, Calif. Fortnightly by California Milk Producers' Association.
The Co-op, Freeport, Ill. Monthly by the Stephenson County Cooperative Marketing Co.
The Cooperative Dairy Farmer, Wauseon, Ohio. Monthly by Northwestern Cooperative Sales Co.
The Dairyman's Journal, East St. Louis, Ill. Monthly by the St. Louis Pure Milk Producers' Association and the Highland Dairy Farms Company.
The Dairymen's Monthly Review, Cincinnati, Ohio. Monthly by Cooperative Pure Milk Association.
Dairymen's League News, New York City. Weekly by Dairymen's League Cooperative Association, Inc.
Dairymen's Price Reporter, Pittsburgh, Pa. Monthly by Dairymen's Cooperative Sales Company.
Equity Union Creamery News, Orleans, Nebr. Monthly by Orleans Equity Union Creamery.
Federation Guide and Market News, Plymouth, Wis. Monthly by Wisconsin Cheese Producers' Federation.
Inter-State Milk Producers' Review, West Chester, Pa. Monthly by Inter-State Milk Producers' Association, Inc.
Iowa Dairy Marketing News, Des Moines, Iowa. Monthly by Des Moines Cooperative Dairy Marketing Association.
Land O'Lakes News, Minneapolis, Minn. Monthly by Land O'Lakes Creameries, Inc.
Michigan Milk Messenger, Detroit, Mich. Monthly by Michigan Milk Producers' Association.
The Milk Market Reporter, Chicago, Ill. Monthly by Mid-West Dairymen's Co.
The Milk News, Chicago, Ill. Monthly by Milk Producers' Association.
The Minneapolis Cooperator, Minneapolis, Minn. Monthly by Franklin Cooperative Creamery Association.
New England Dairyman, Boston, Mass. Monthly by New England Milk Producers' Association.
The Non-Pooler, Utica, N. Y. Monthly by the Non-Pooling Dairymen's Cooperative Association.
Twin-City Milk Producers' Bulletin, St. Paul, Minn. Monthly by Twin-City Milk Producers' Association.

FRUIT

"Big Y" Bulletin, Yakima, Wash. Monthly by Yakima Fruit Growers' Association.
The Blue Anchor, Sacramento, Calif. Monthly by California Fruit Exchange.
Blue Ribbon Information, Fresno, Calif. Monthly by California Peach and Fig Growers' Association.
The California Pear Grower, San Francisco, Calif. Monthly by California Pear Growers' Association.
Citrus Leaves, Redlands, Calif. Monthly by Mutual Orange Distributors.
Illinois Fruit Exchange News, Centralia, Ill. Monthly by Illinois Fruit Exchange.

Jefferson County Truck Growers' Bulletin, Birmingham, Ala. Monthly by Jefferson County Truck Growers' Association.
Jim Hill-o-Gram, Wenatchee, Wash. Monthly by the Wenatchee District Cooperative Association.
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The Sealdsweet Chronicle, Tampa, Fla. Semimonthly by Florida Citrus Exchange.
Skookum News, Wenatchee, Wash. Monthly By Skookum Packers' Association.
The Sunkist Courier (Department in the California Citrograph), Los Angeles, Calif. Monthly by the California Fruit Growers' Exchange.
Sun-Maid Business, Fresno, Calif. Monthly by Sun-Maid Raisin Growers of California.
Sunsweet Standard, San Jose, Calif. Monthly by California Prune and Apricot Growers' Association.

GRAIN

Colorado Wheat Grower, Denver, Colo. Semimonthly by the Colorado Wheat Growers' Association.
The Co-operator, Minneapolis, Minn. Semimonthly by the Minnesota Wheat Growers' Cooperative Marketing Association.
The Farmers' Elevator Guide, Chicago, Ill. Monthly. Official organ of the farmers' elevators of the U. S. A.
The Farmer Grain Dealer, Fort Dodge, Iowa. Irregularly by the Farmers Grain Dealers' Association of Iowa.
The Nebraska Wheat Grower, Hastings, Nebr. Semimonthly by Nebraska Wheat Growers' Association.
The Scoop Shovel, Winnipeg, Man. Monthly by Manitoba Cooperative Wheat Producers, Ltd.
The South Dakota Wheat Grower, Aberdeen, S. D. Semimonthly by the South Dakota Wheat Growers' Association.
The Texas Wheat Grower, Amarillo, Tex. Semimonthly by the Texas Wheat Growers' Association.
The Wheat Grower, Grand Forks, N. D. Semimonthly by the North Dakota Wheat Growers' Association.
The Wheat Growers' Journal, Wichita, Kans. Weekly by the Kansas and Colorado wheat pools.
Wheat Pool News, (Department in the Western Producer), Saskatoon, Saskatchewan. Weekly by the Saskatchewan Wheat Pool.

LIVESTOCK

Cooperative Shipper, South St. Paul, Minn. Monthly by Central Cooperative Commission Association.
Livestock Marketing News, Winnipeg, Can. Monthly by United Livestock Growers, Ltd.
National Livestock Producer, Chicago, Ill. Monthly by National Livestock Producers' Association.

NUTS

Diamond Walnut News, Los Angeles, Calif. Bimonthly by the California Walnut Growers' Association.
The Minute Book, San Francisco, Calif. Irregularly by the California Almond Growers' Exchange.
National Pecan Exchange News, Albany, Ga. Monthly by the National Pecan Growers' Exchange.

PEANUTS

The Georgia Peanut Grower, Albany, Ga. Bimonthly by the Georgia Peanut Growers' Cooperative Association.

POTATOES

Colorado Potato Grower, Denver, Colo. Monthly by the Colorado Potato Growers' Exchange.
Michigan Potato Growers' Exchange, Cadillac, Mich. Monthly by the Michigan Potato Growers' Exchange.

POULTRY

The Cackler, New York City. Monthly by Pacific Egg Producers Cooperative.
The Eggsaminer, Portland, Oregon. Monthly by the Pacific Cooperative Poultry Producers.
Lake Region Farm Poultry News, St. Paul, Minn. Monthly by the Lake Region Cooperative Egg and Poultry Exchange.
Nulaid News, San Francisco, Calif. Monthly by Poultry Producers of Central California.
Poultry Association Hen Coop, Tulare, Calif. Monthly by Tulare Cooperative Poultry Association.
San Diego Poultry Journal, San Diego, Calif. Semimonthly by Poultry Producers of San Diego.
Washcoegg, Seattle, Wash. Weekly by the Washington Cooperative Egg and Poultry Association.

RICE

Arkansas Rice News, Stuttgart, Ark. Weekly by the Arkansas Rice Growers' Cooperative Association.

TOBACCO

The Burley Tobacco Grower, Lexington, Ky. Monthly by the Burley Tobacco Growers' Cooperative Association.
The Connecticut Valley Tobacco Grower, Hartford, Conn. Monthly by the Connecticut Valley Tobacco Association.
The Tobacco Planter, Hopkinsville, Ky. Monthly by the Dark Tobacco Growers' Cooperative Association.
The Tobacco Pool Bulletin, Madison, Wis. Semimonthly by the Northern Wisconsin Cooperative Tobacco Pool.

WATERMELONS

The Sowega Standard, Adel, Ga. Monthly by the Sowega Melon Growers' Association.

WOOL

The California Wool Grower, San Francisco, Calif. Weekly by the California Wool Growers' Association.
The Idaho Wool Growers' Bulletin, Twin Falls, Idaho. Weekly by the Idaho Wool Growers' Association.
National Wool Exchange Reporter, Helena, Mont. Monthly by the National Wool Exchange.
Pacific Cooperative Wool Growers, Portland, Oregon. Monthly by Pacific Cooperative Wool Growers.

MISCELLANEOUS

Eastern States Cooperator, Springfield, Mass. Monthly by the Eastern States Farmers' Exchange.
The G. L. F. Shareholder, Ithaca, N. Y. Irregularly by the Cooperative Grange League Federation Exchange, Inc.
The Cooperative Pyramid Builder, Superior, Wis. Monthly by the Cooperative Central Exchange.

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